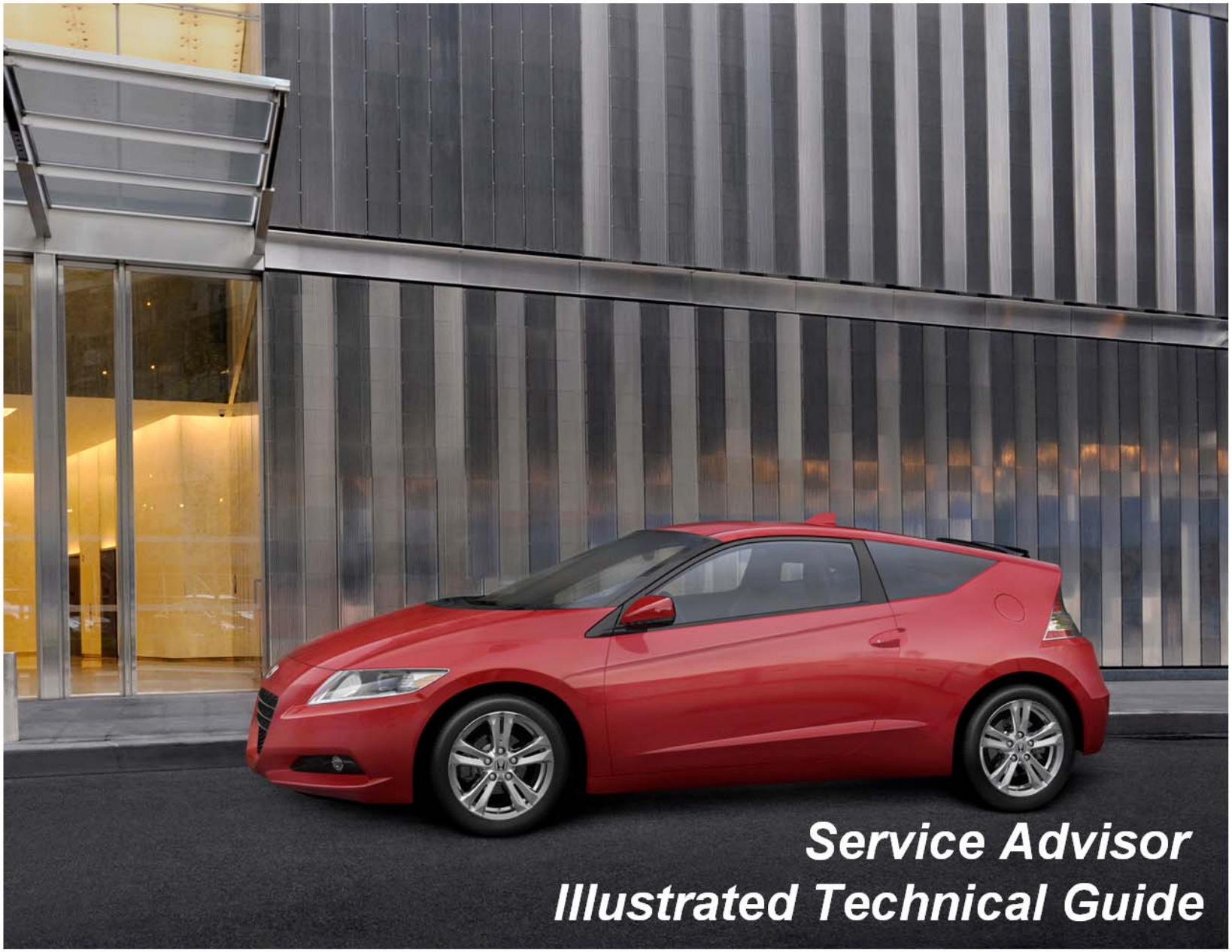
HONDA



Service Advisor Illustrated Technical Guide

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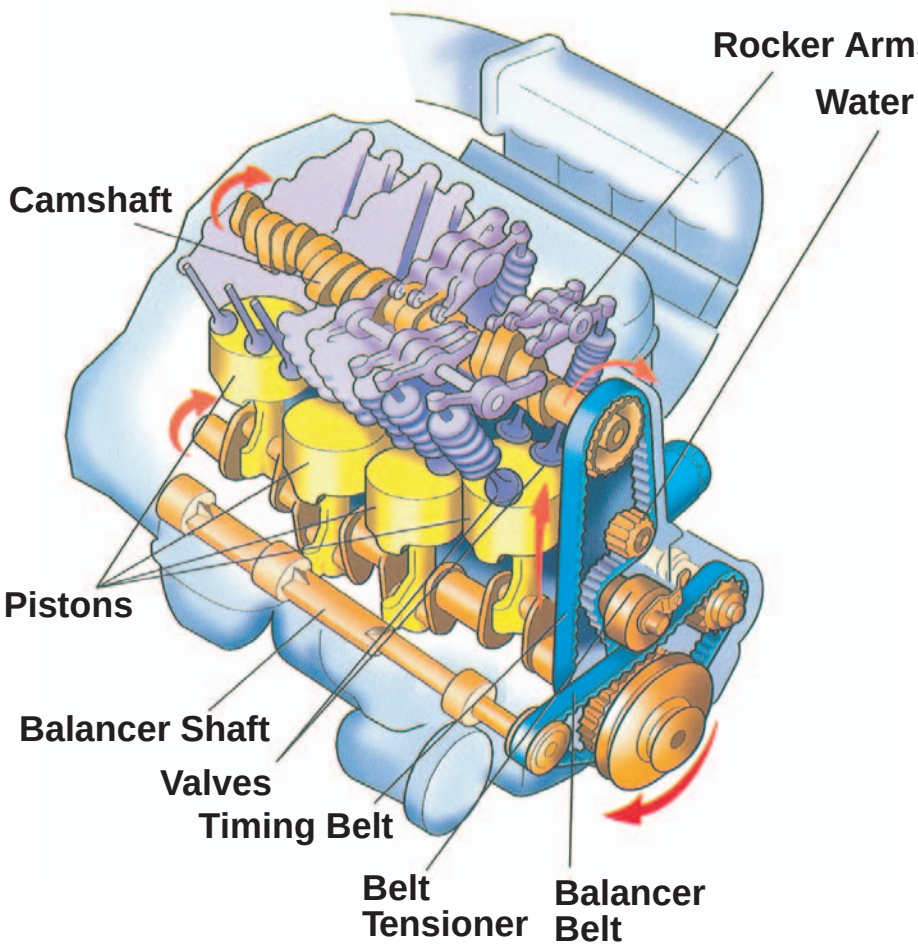
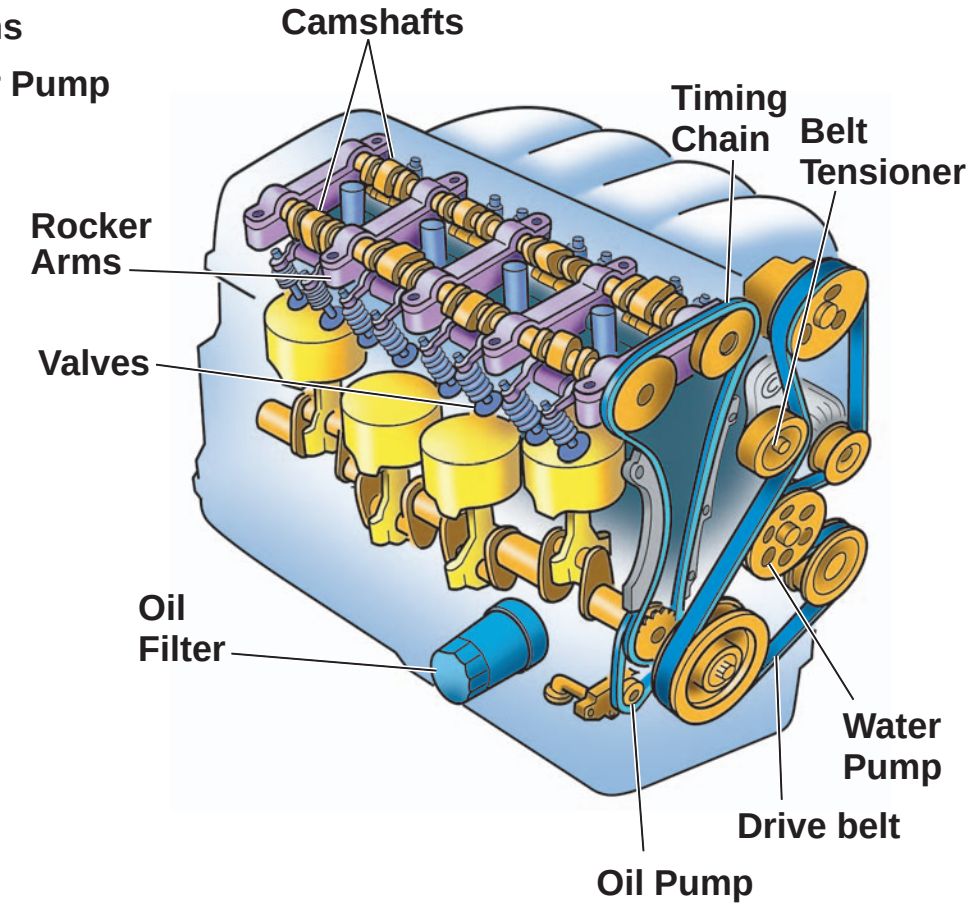
L4 Engine

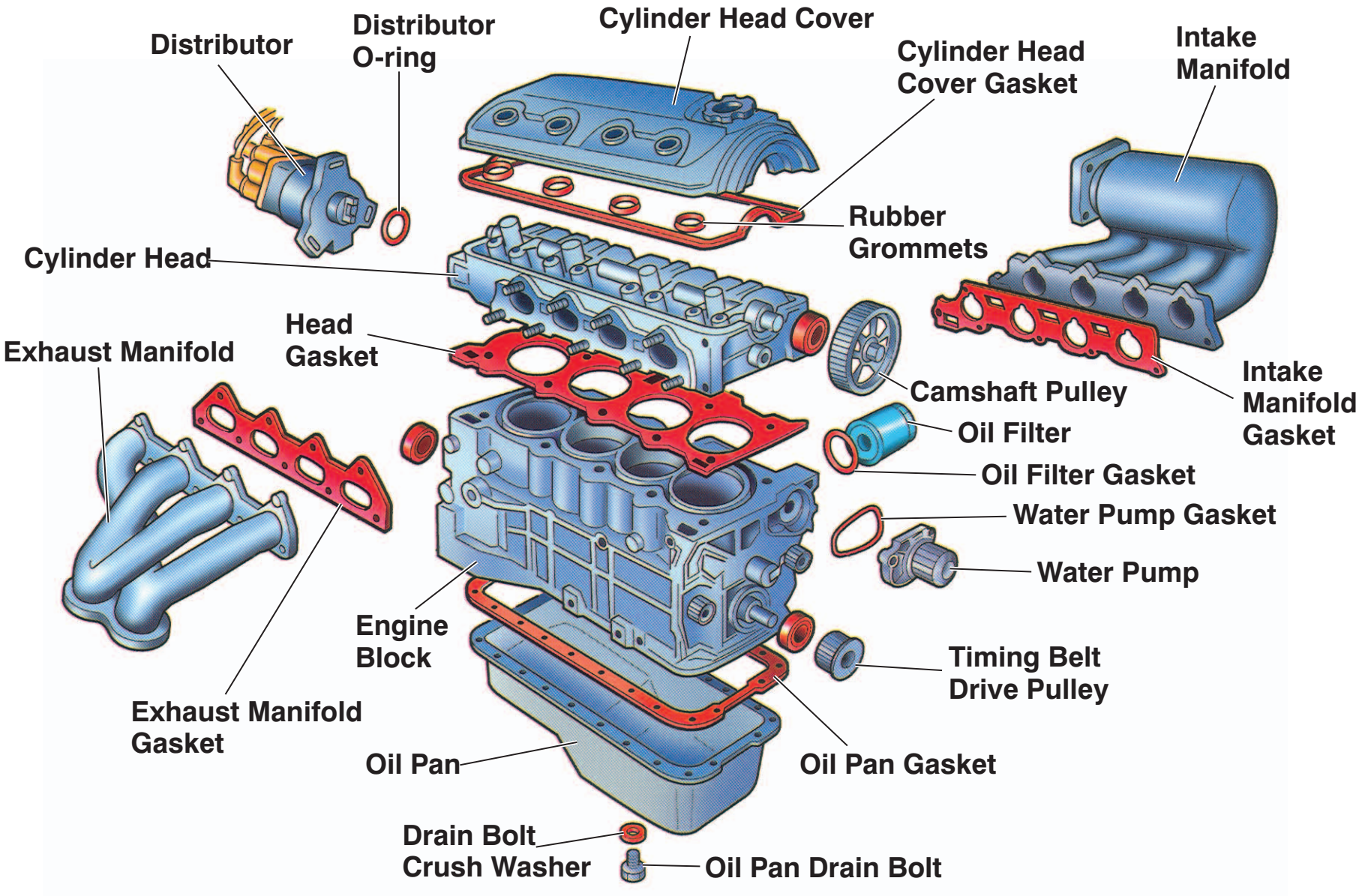
SINGLE OVERHEAD CAM



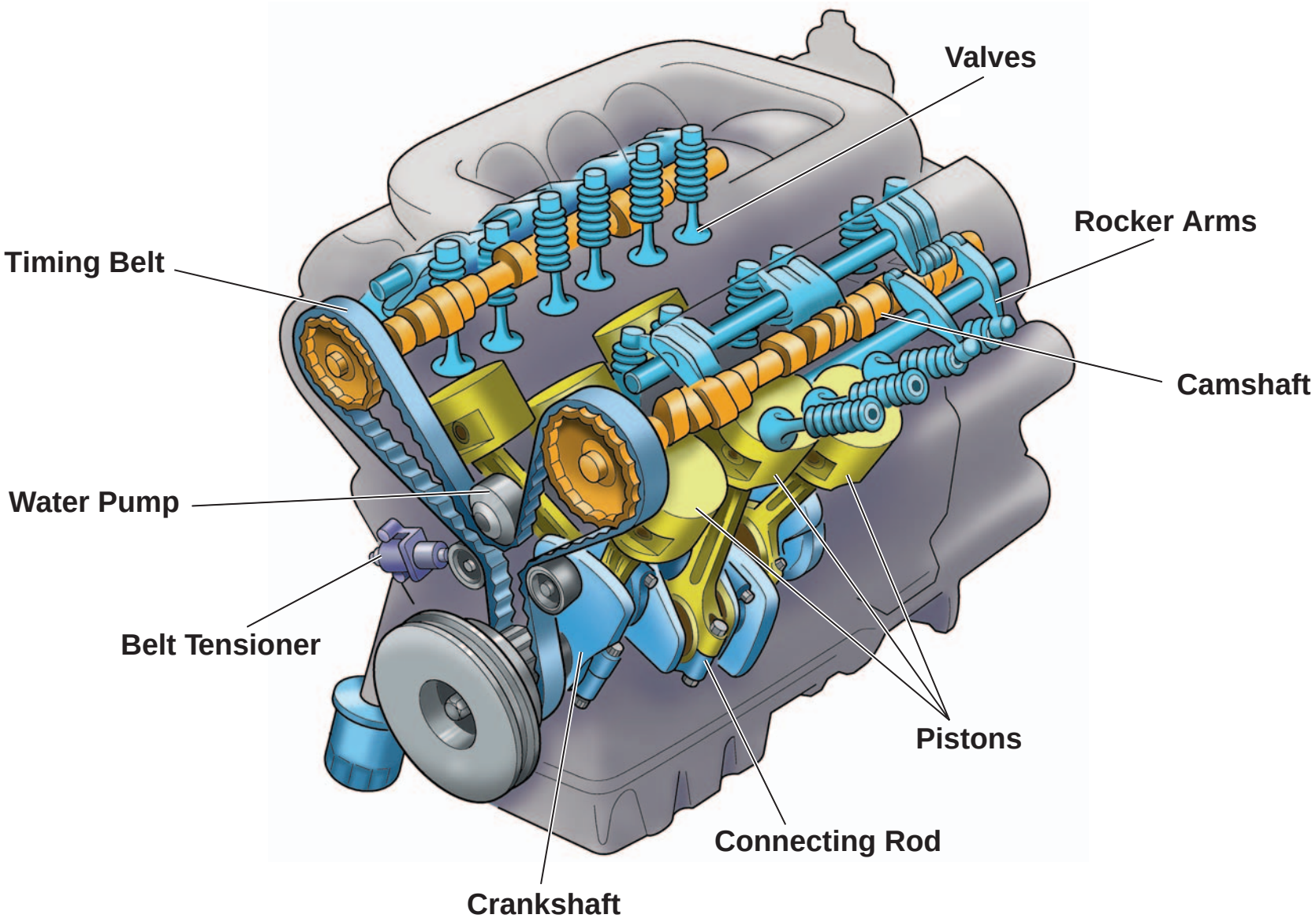
DOUBLE OVERHEAD CAM



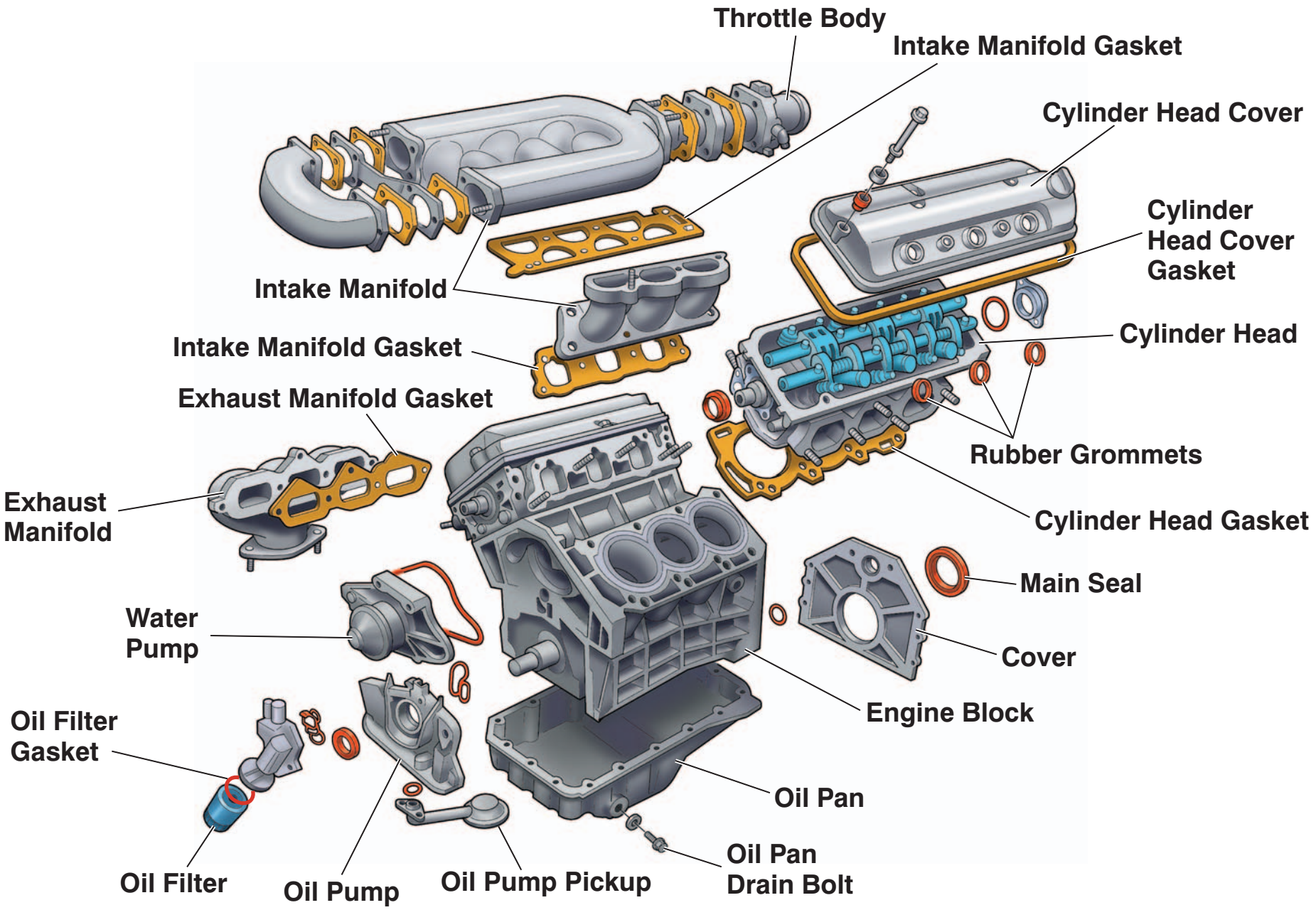
L4 Engine - Exploded View



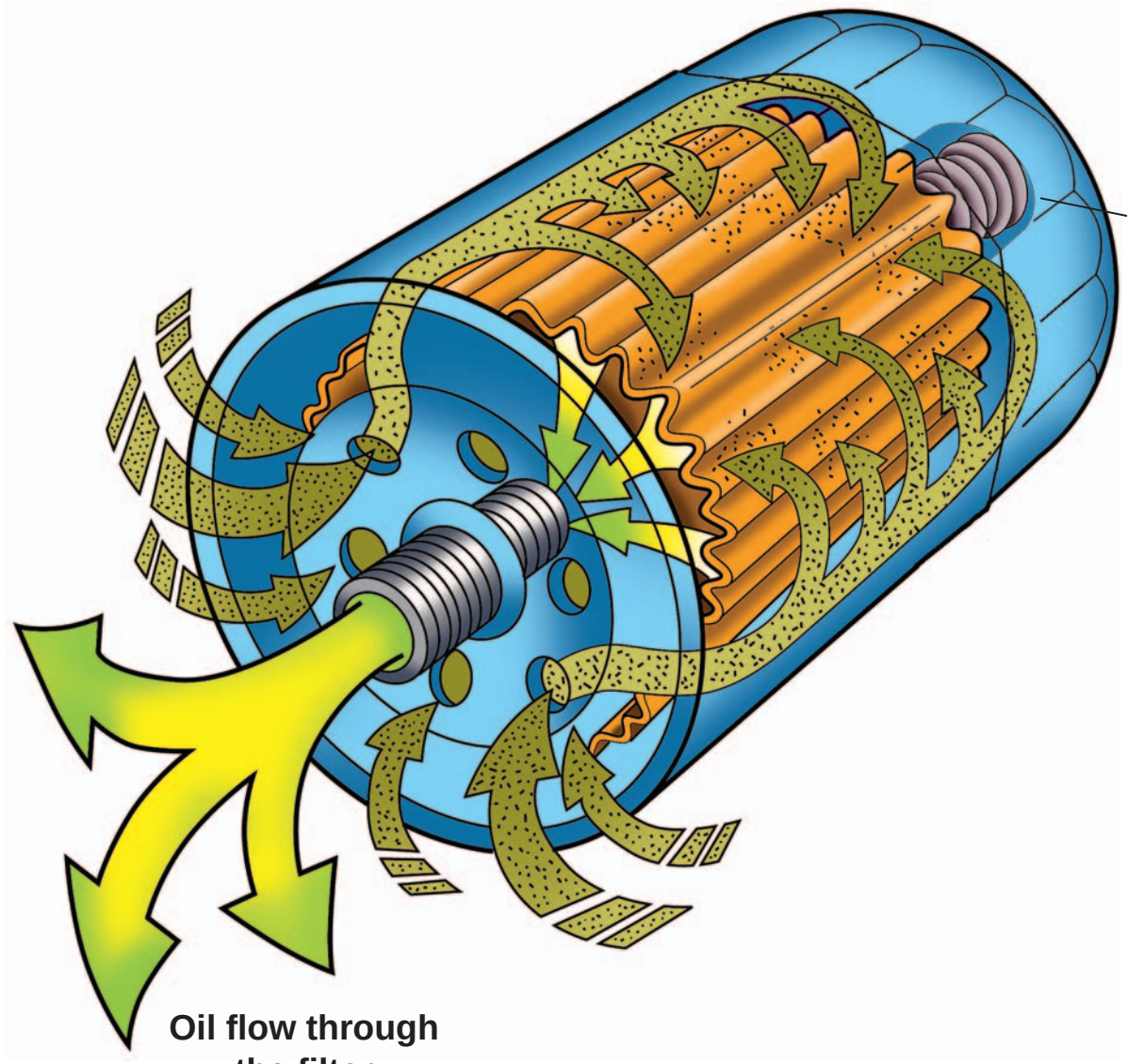
V6 Engine


Valves
Rocker Arms
Timing Belt
Camshaft
Water Pump
Belt Tensioner
Pistons
Connecting Rod
Crankshaft

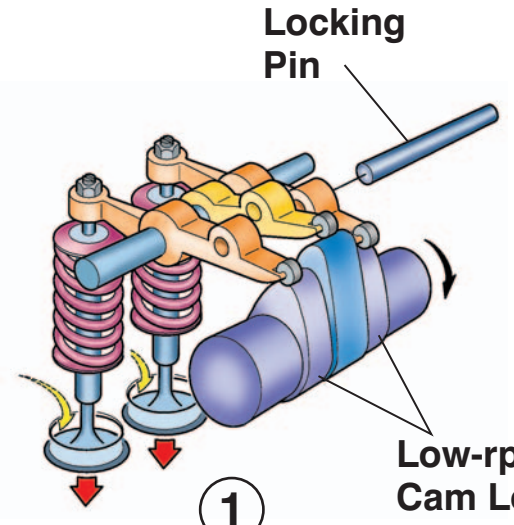
V6 Engine - Exploded View



Oil Filter



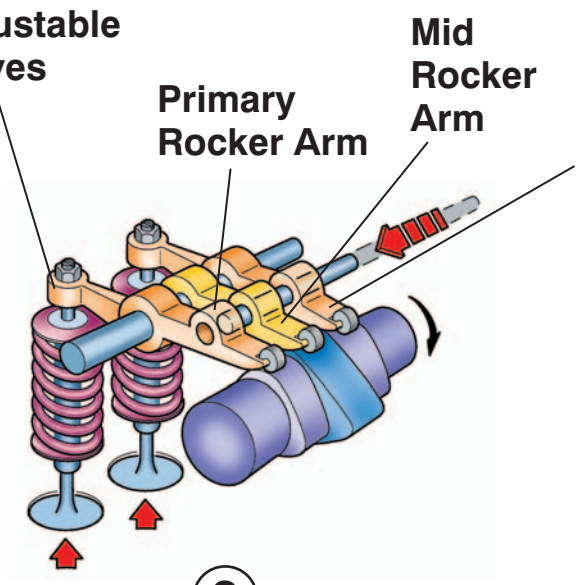
VTEC (Variable Timing Electronic Control) System



1

Low-rpm Operation

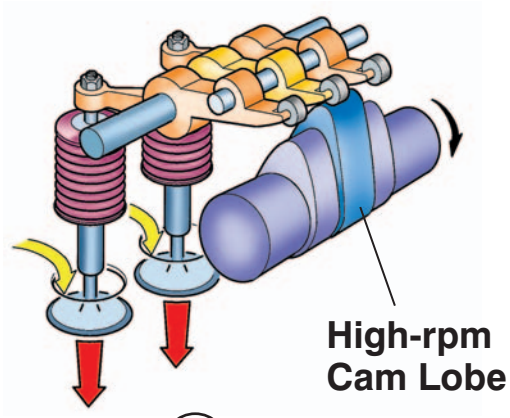
For good fuel economy and smooth operation, both valves follow the smaller cam lobes, providing passenger-car-type performance at low engine rpm (revolutions per minute).



2

Transition

Horsepower rises steadily across the switch-over point to provide a smooth transition between the low-rpm and high-rpm modes of engine operation.

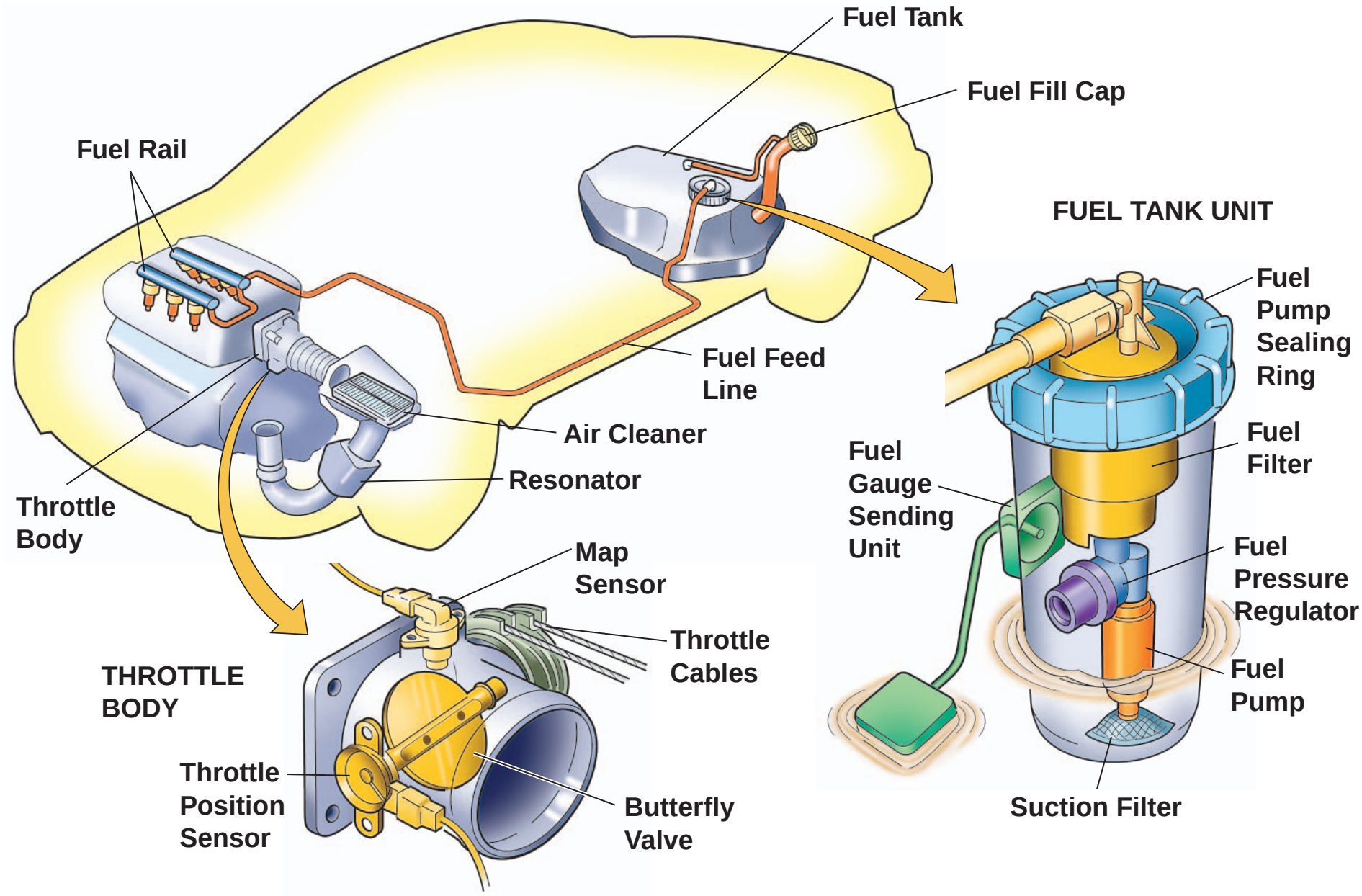


3

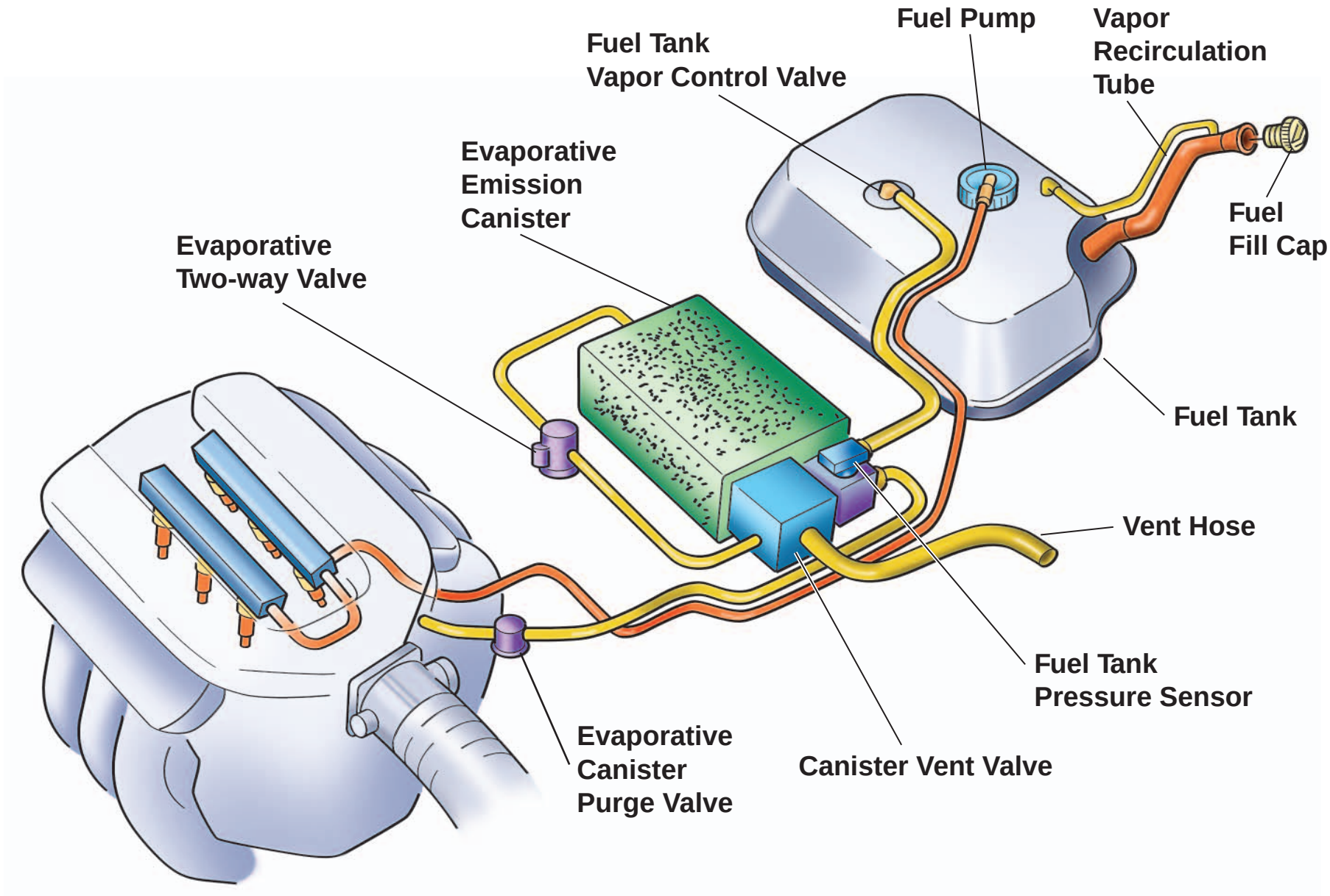
High-rpm Operation

For higher engine power output, both valves follow the larger, center cam lobe, providing performance at high rpm that is similar to a racing car engine.

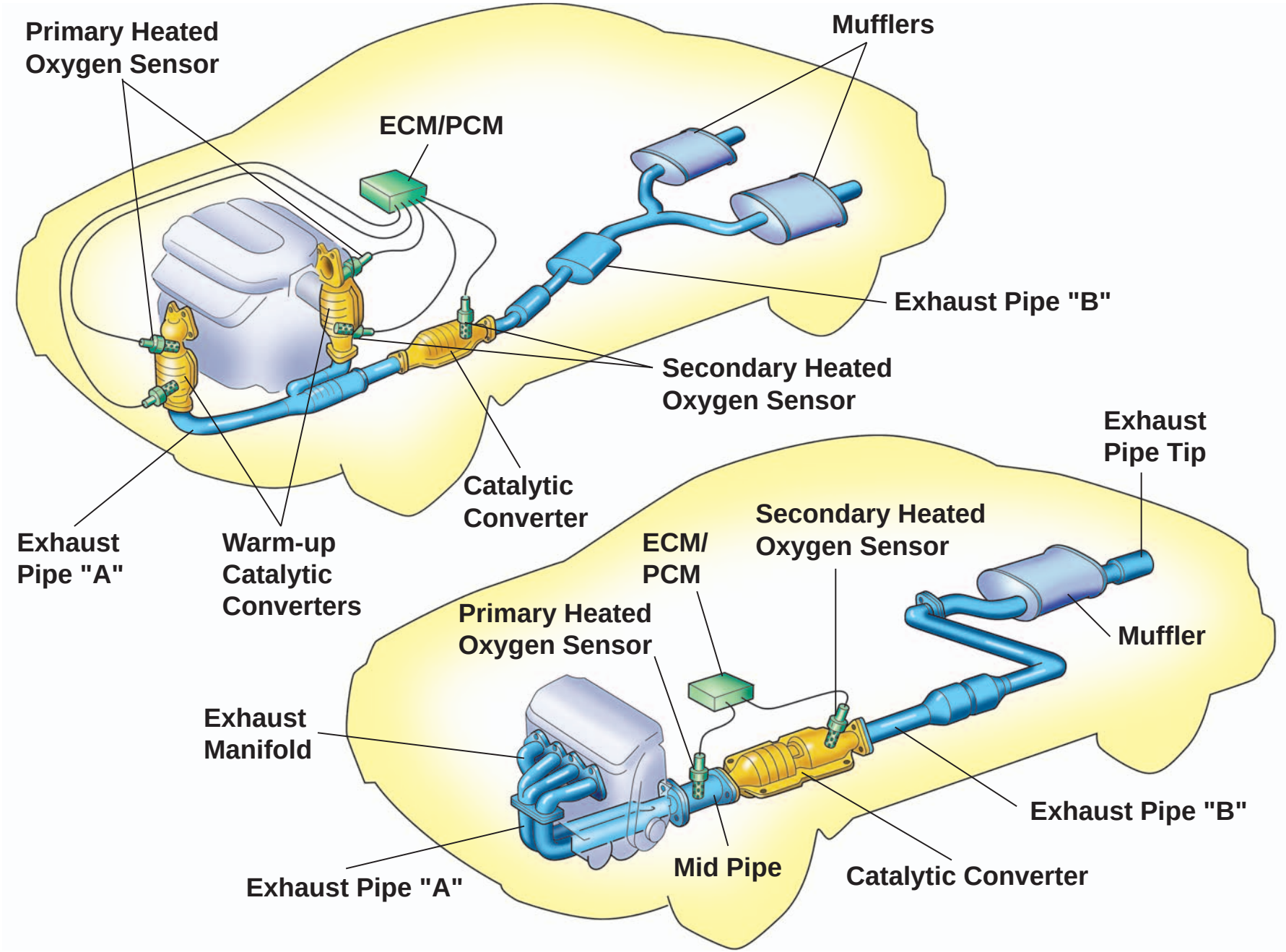
Fuel and Air Intake Systems



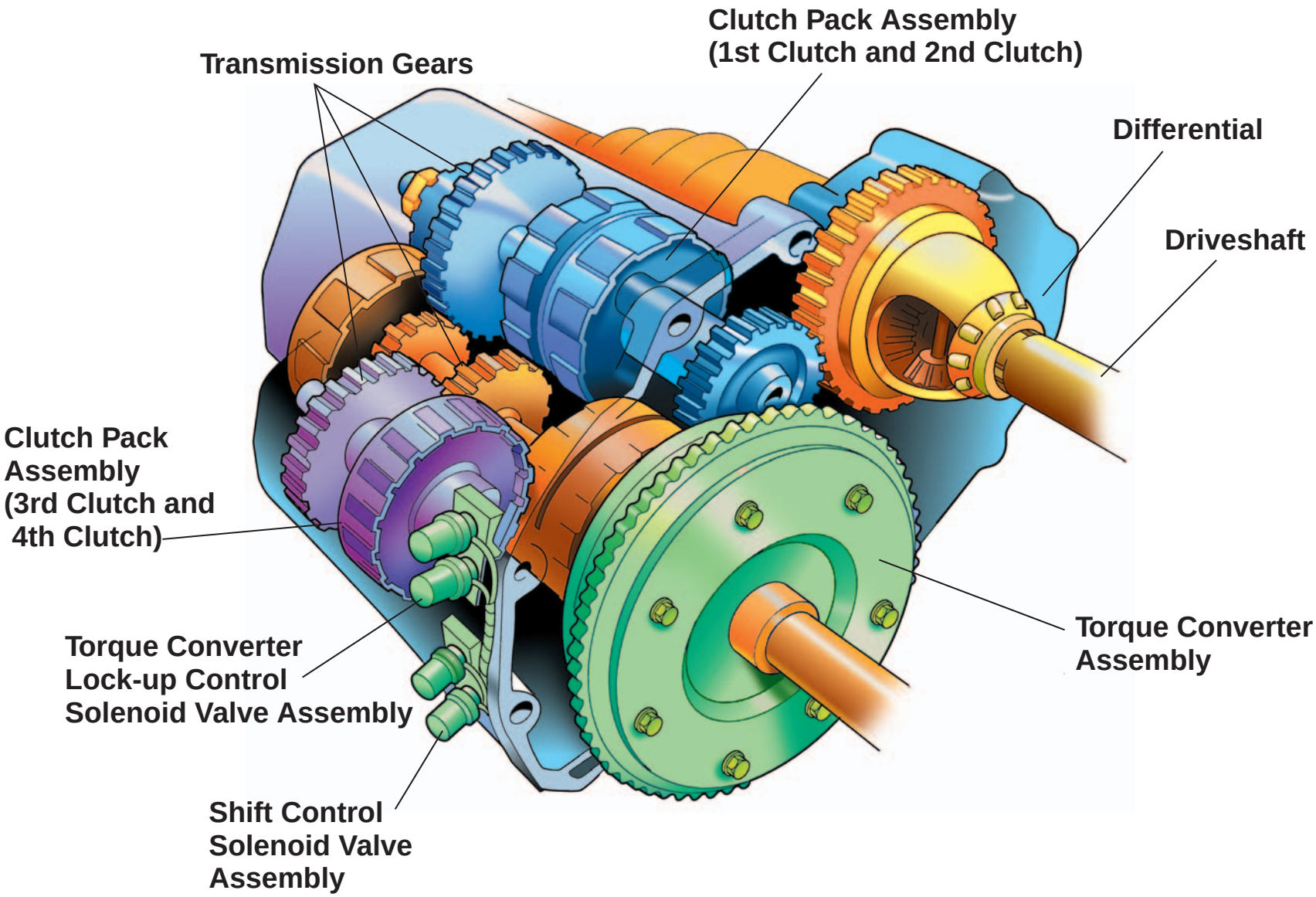
Evaporative Emissions System



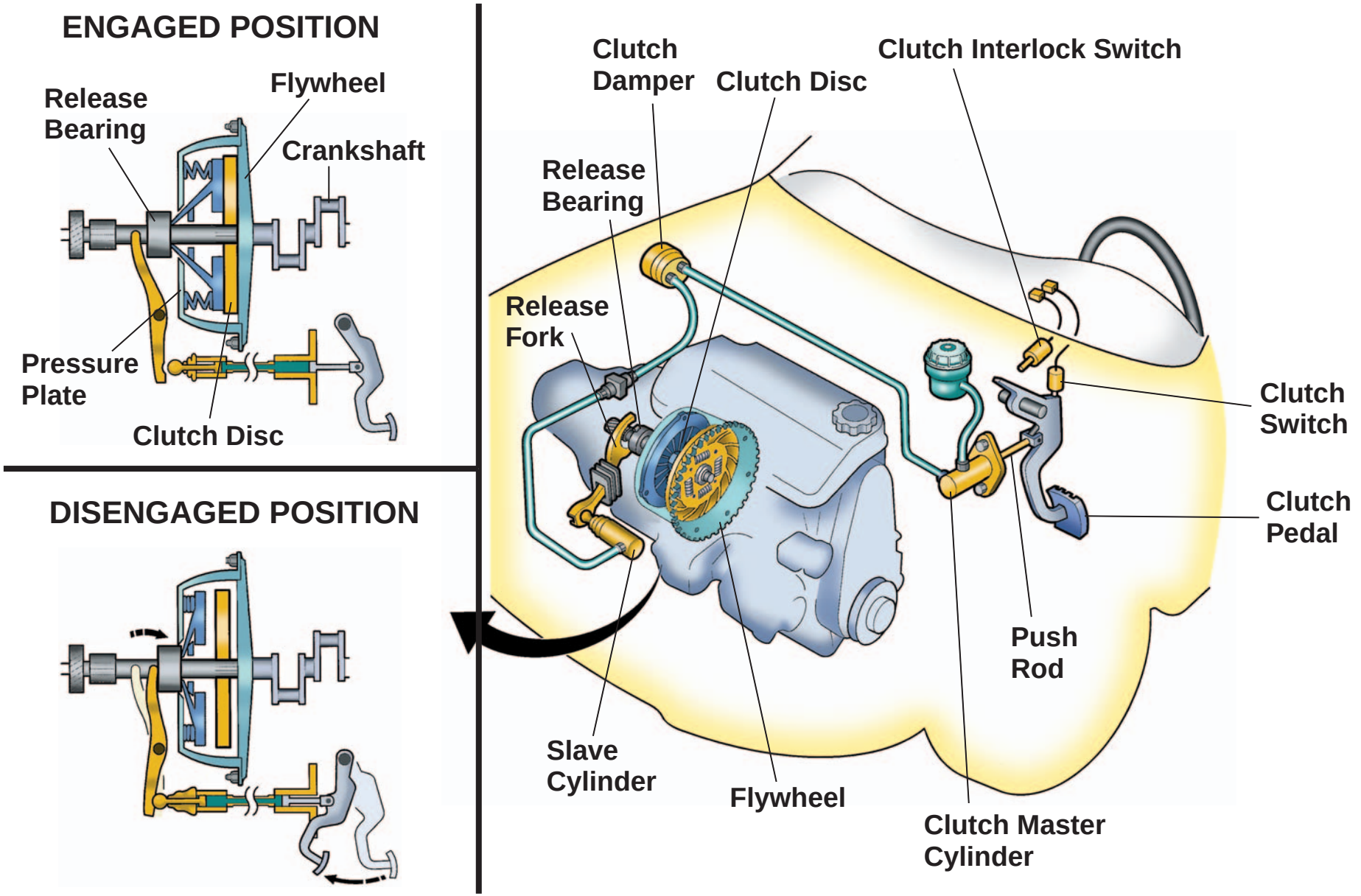
Exhaust Systems



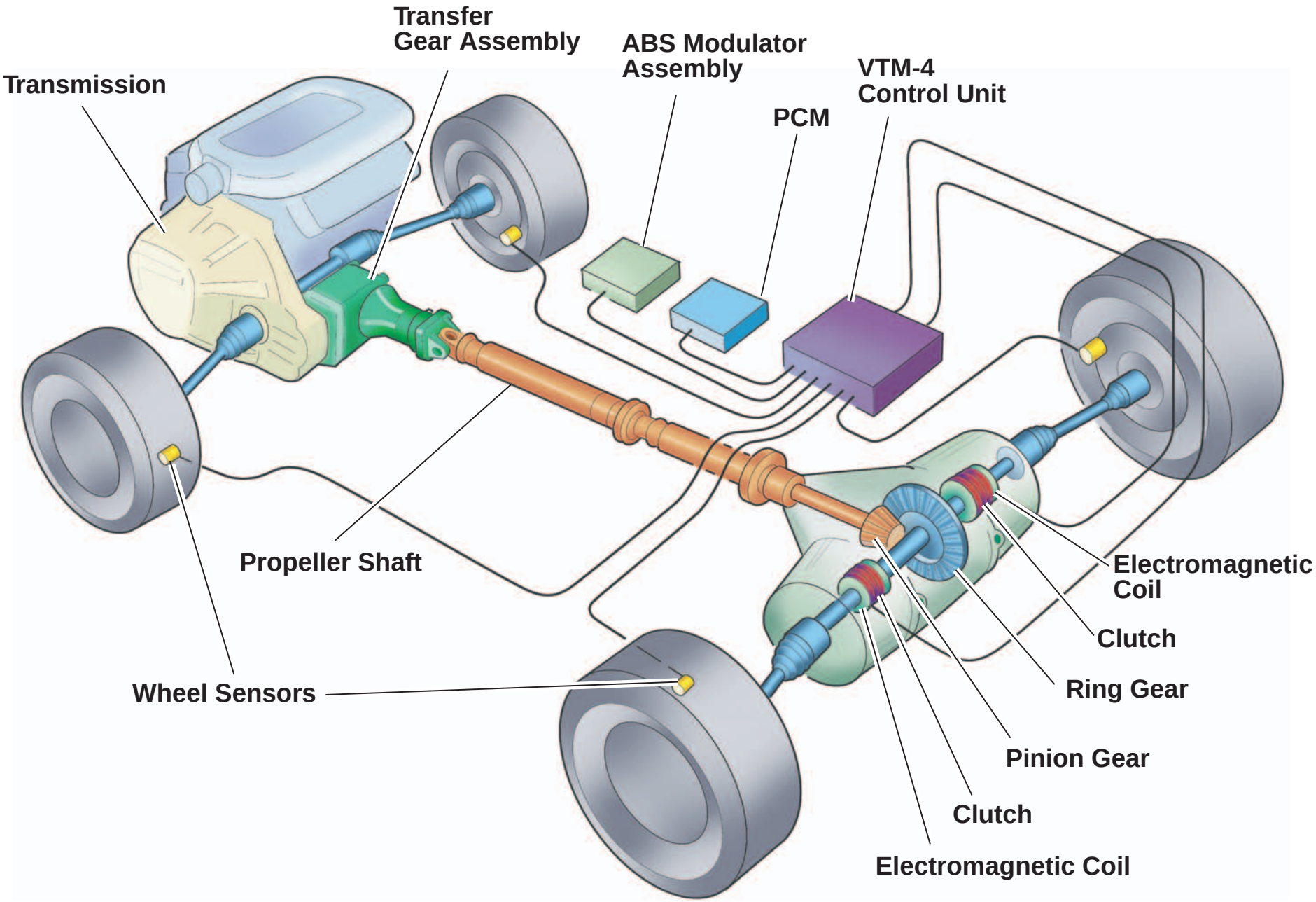
Automatic Transmission



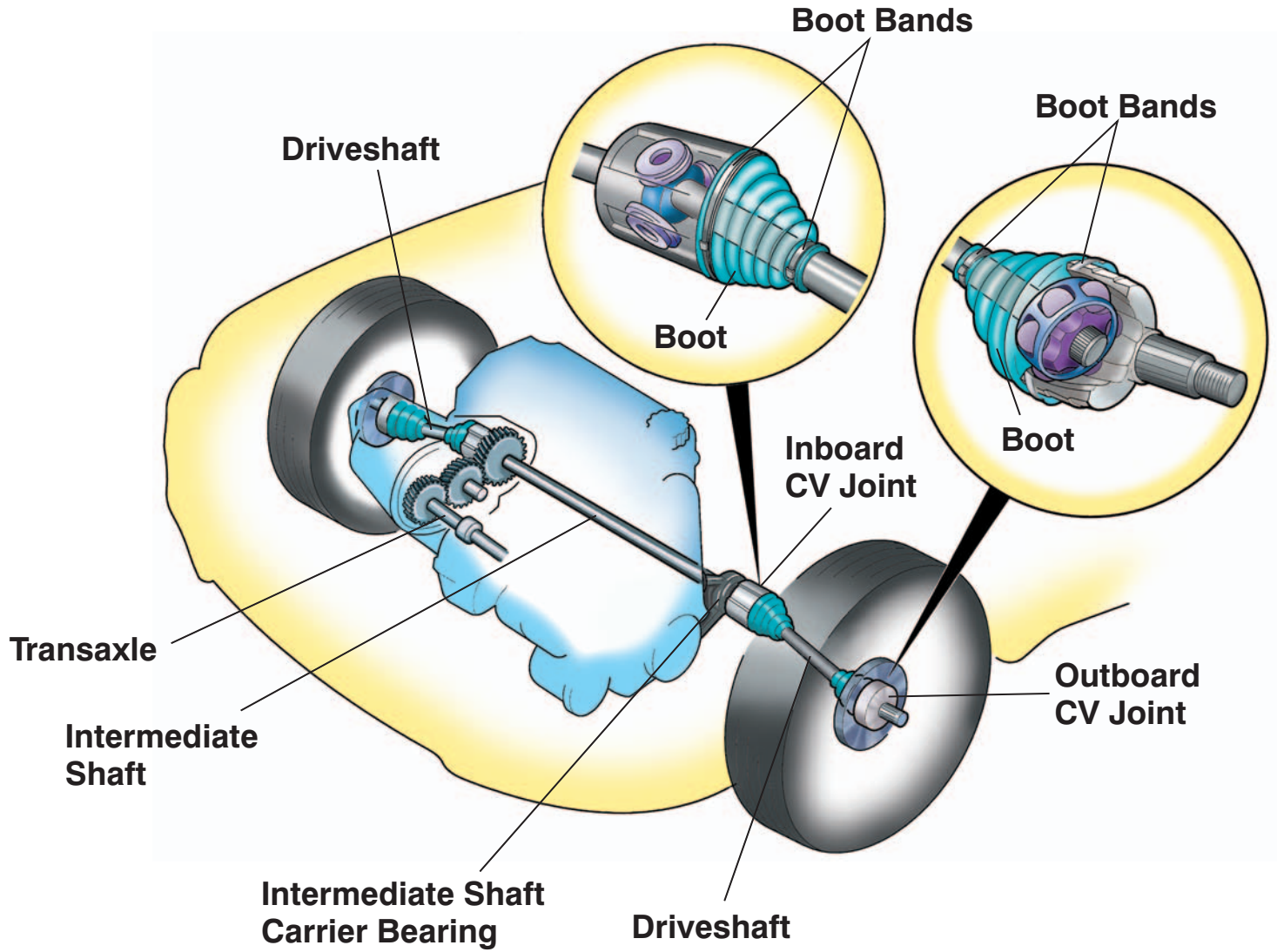
Clutch Assembly



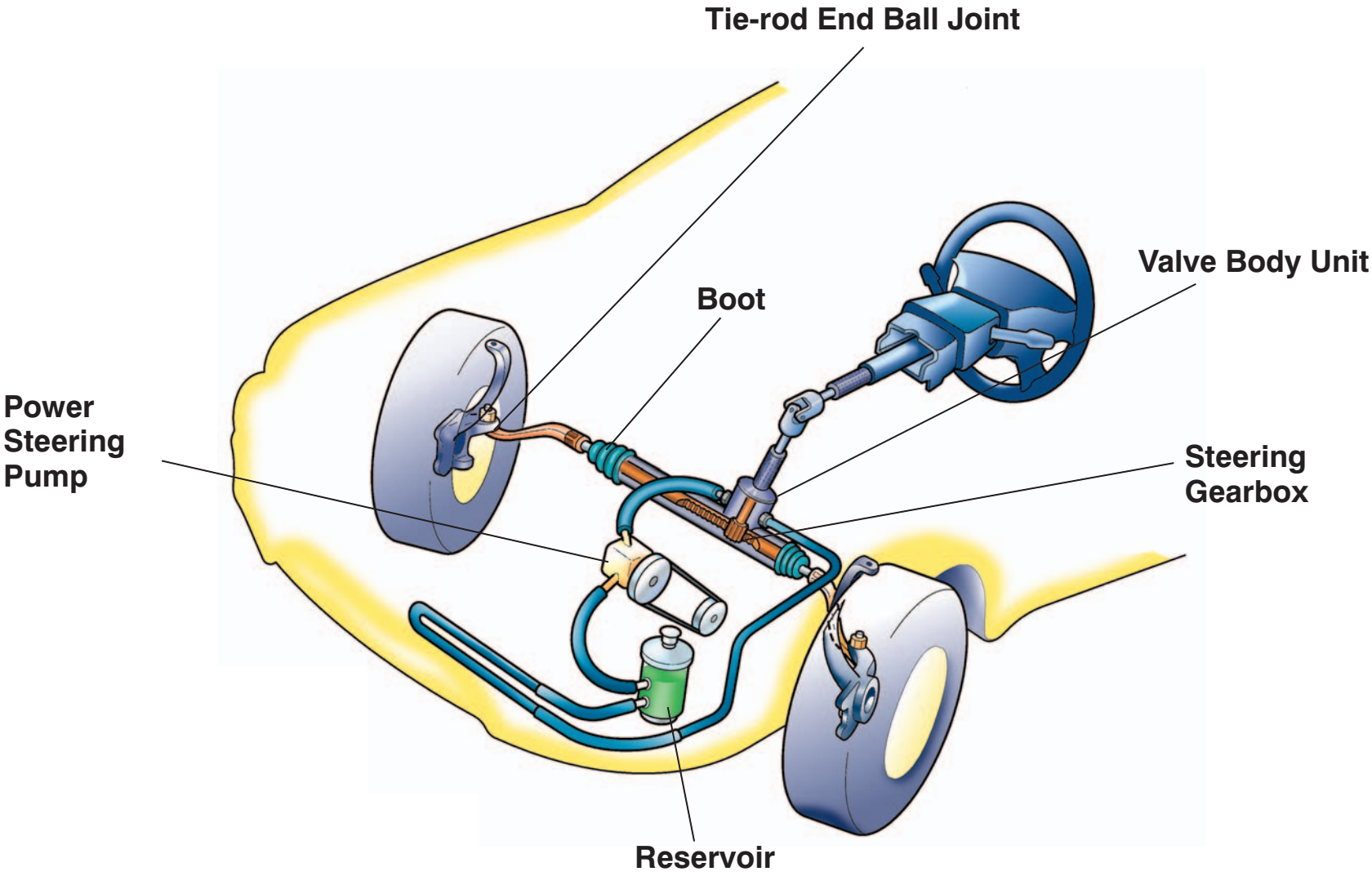
4-Wheel Drive System (VTM-4)



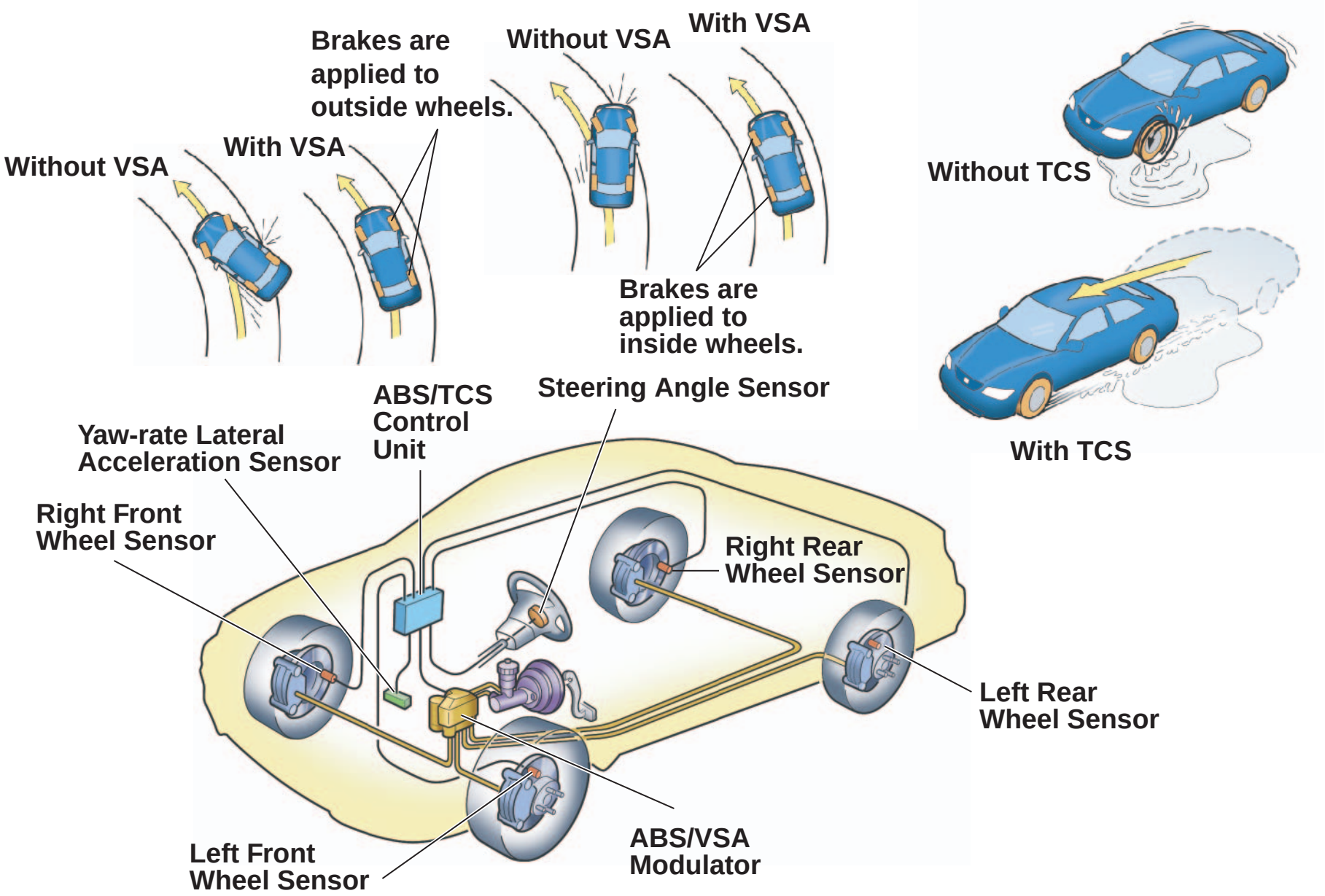
Driveshafts and CV (Constant Velocity) Joint Boots



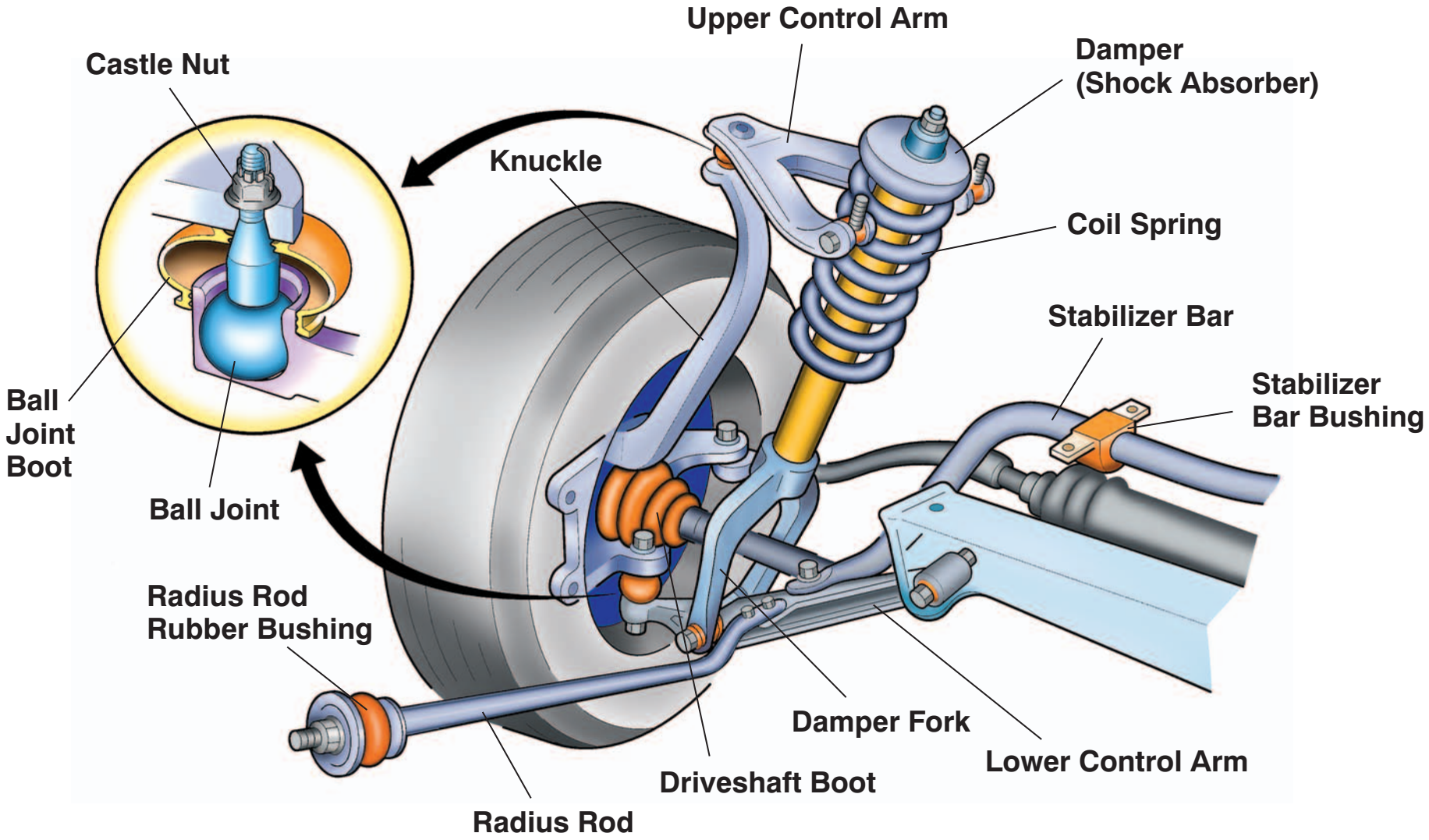
Rack and Pinion Steering



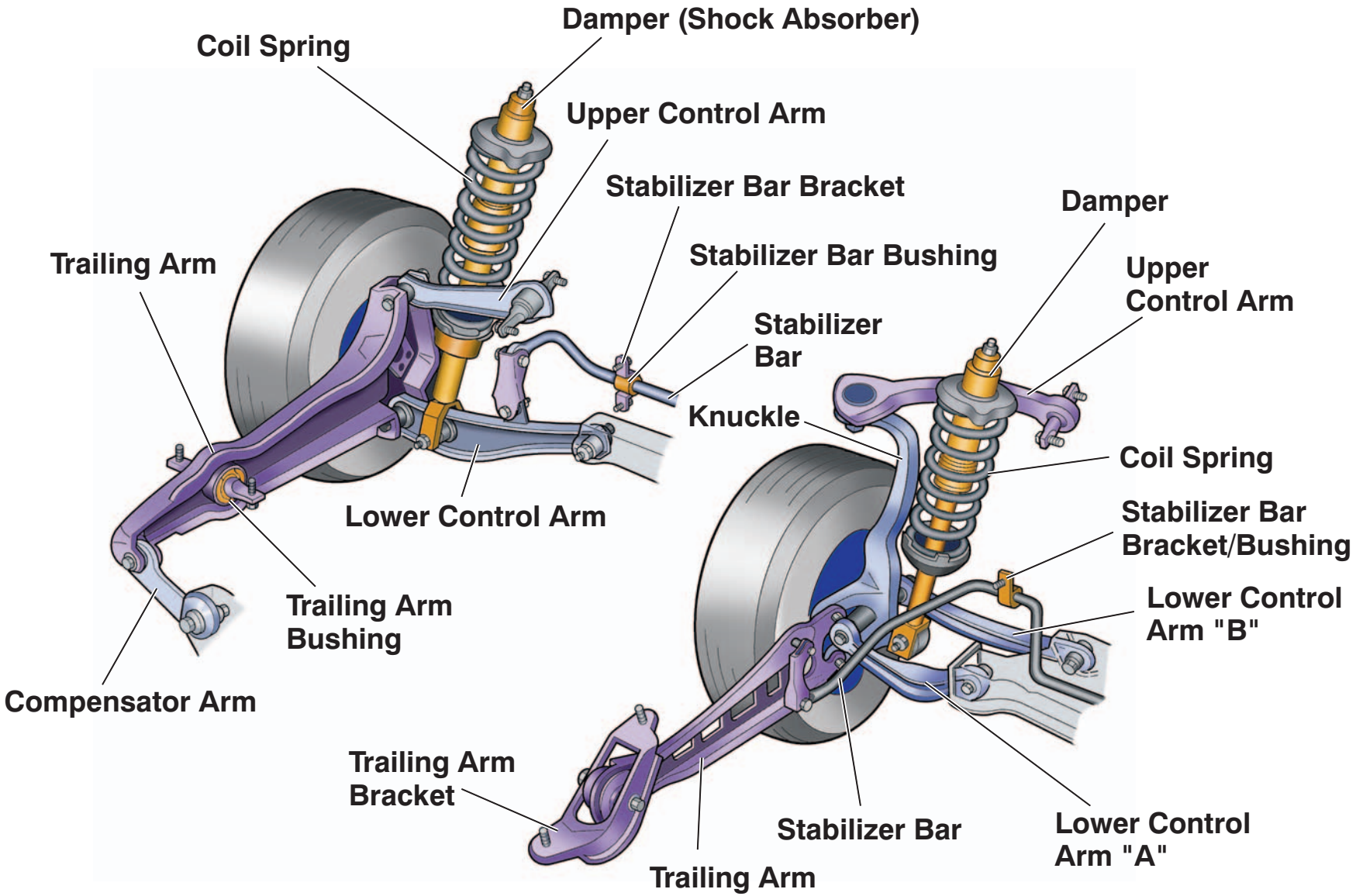
VSA (Vehicle Stability Assist) and TCS (Traction Control System)



Front Suspension



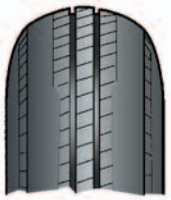
Rear Suspension



Tire Wear and Wheel Alignment

Wear Indicator

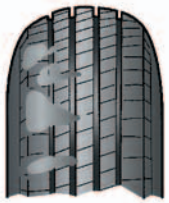
Overinflation



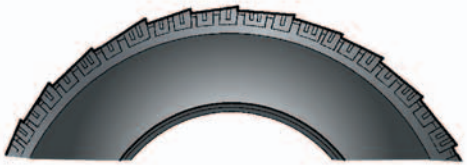
Underinflation

Feathered Wear
(excessive toe in or out)

Camber Wear

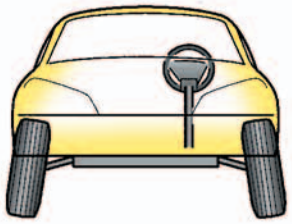


Spotty/ Chopped Wear
(multiproblem)

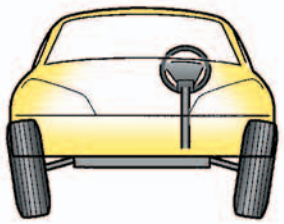


Diagonal Wear/ Heel and Toe Wear

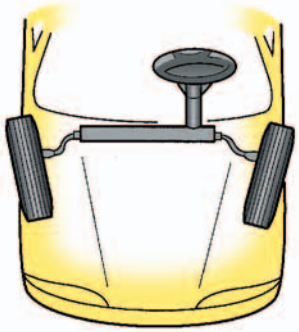
Local Wear



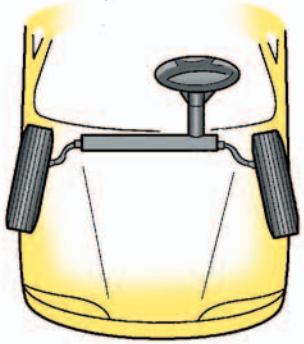
Negative Camber



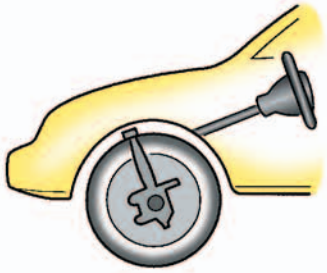
Positive Camber



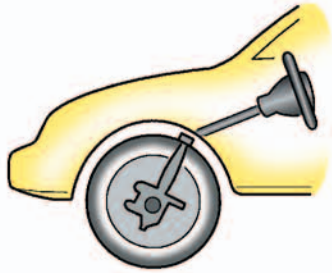
Toe In



Toe Out

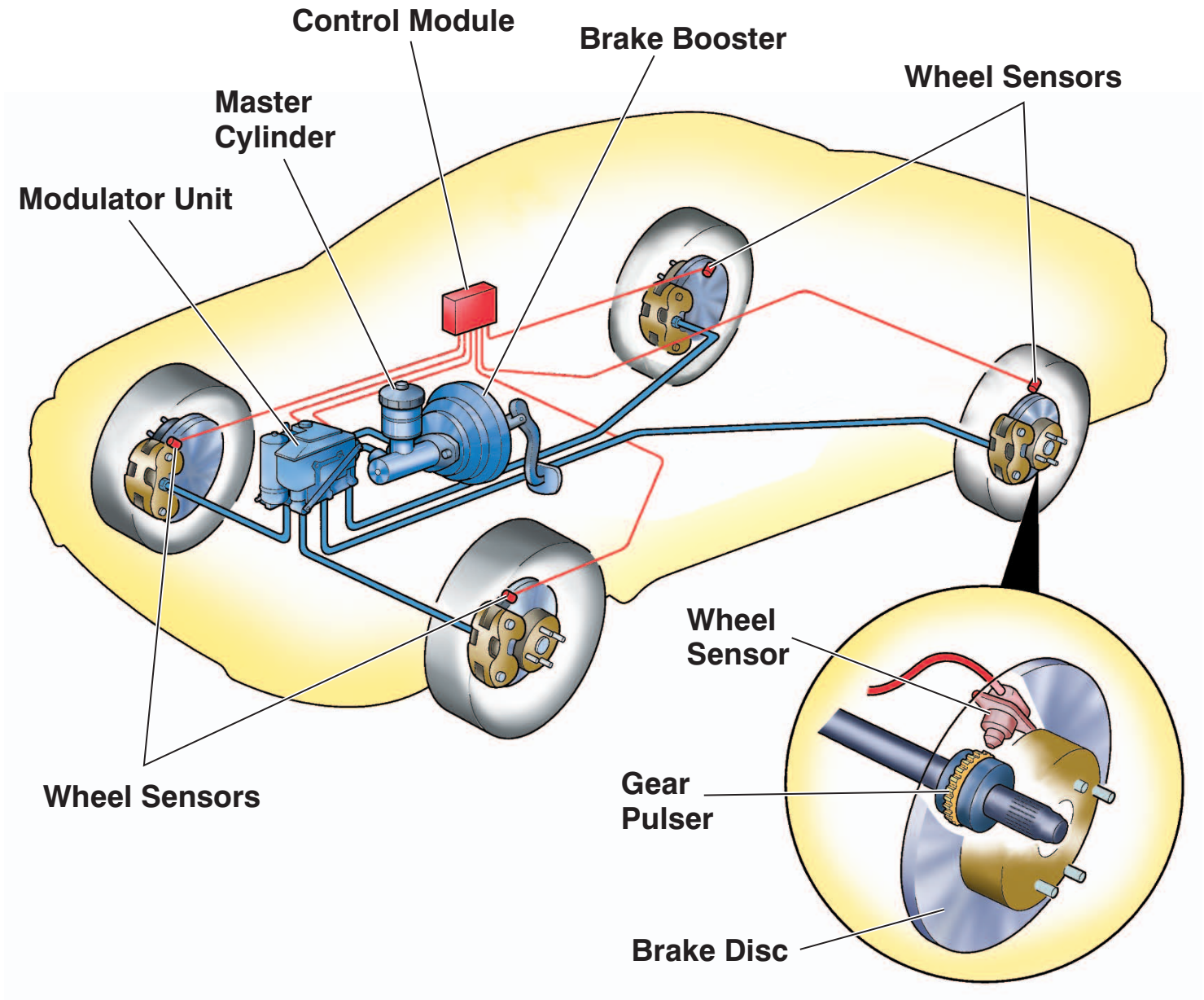


Negative Caster

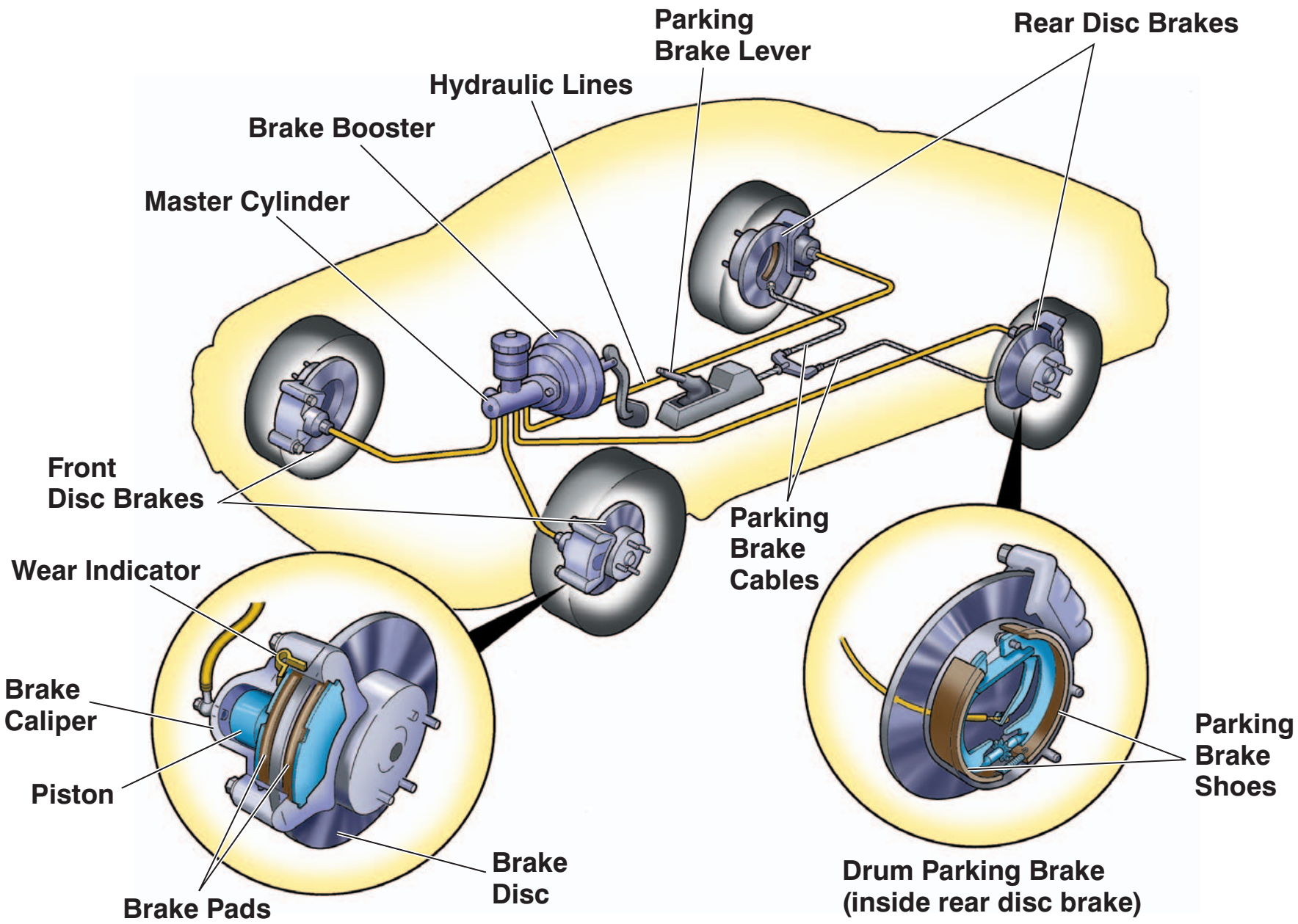


Positive Caster

ABS (Anti-lock Brake System)

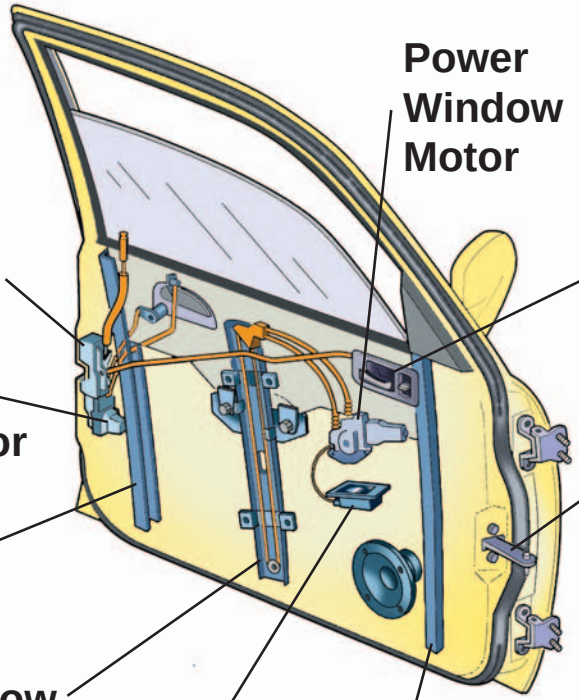


Conventional Brake System (non-ABS)

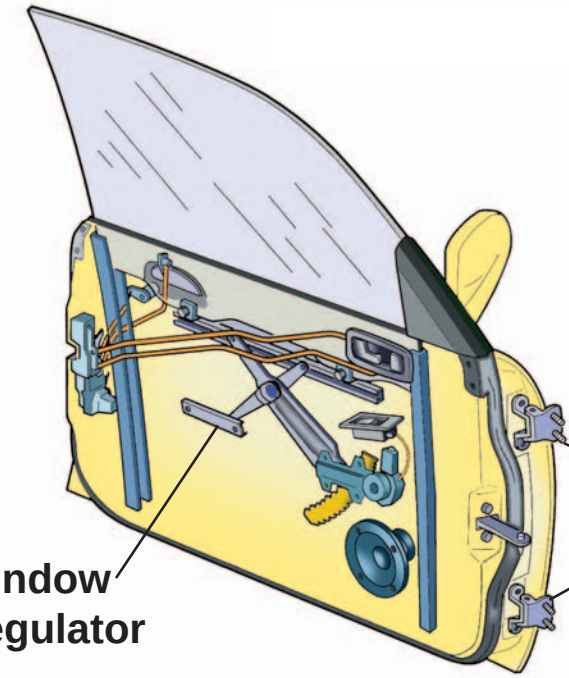


Doors and Windows

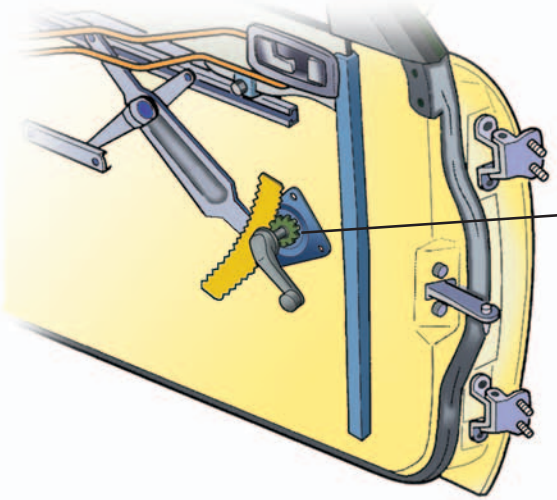
NEW STYLE POWER WINDOWS



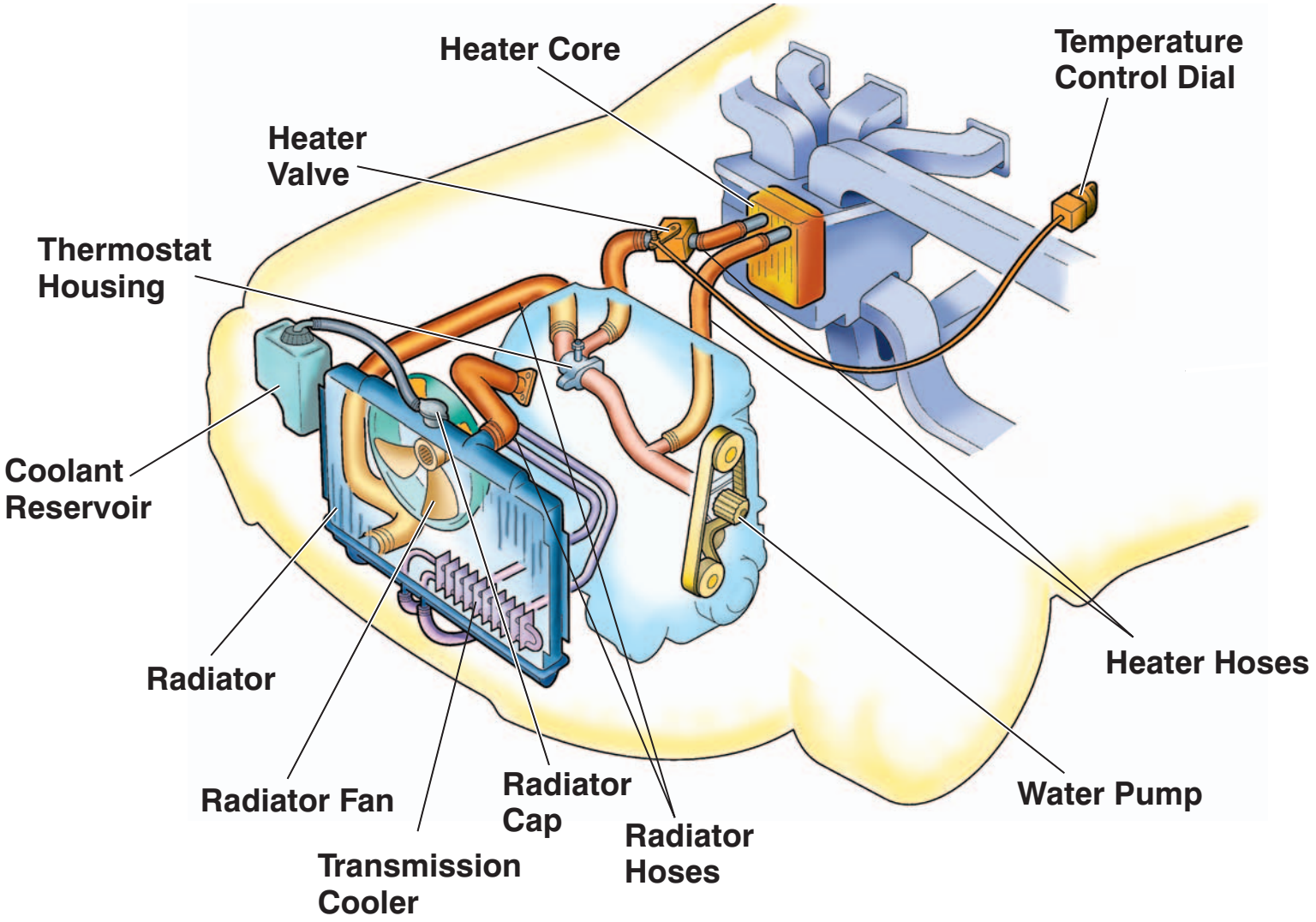
OLD STYLE POWER WINDOWS



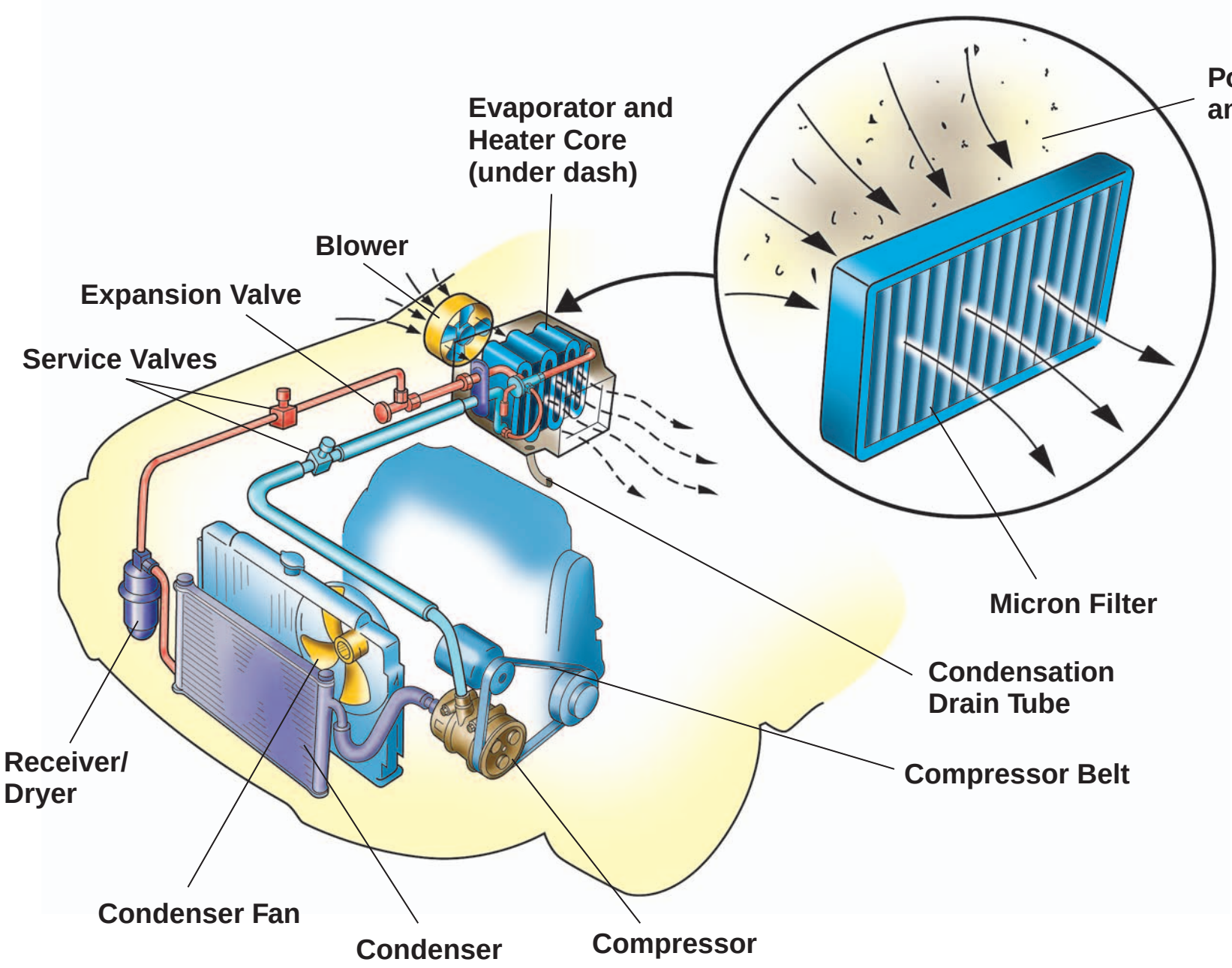
MANUAL WINDOWS



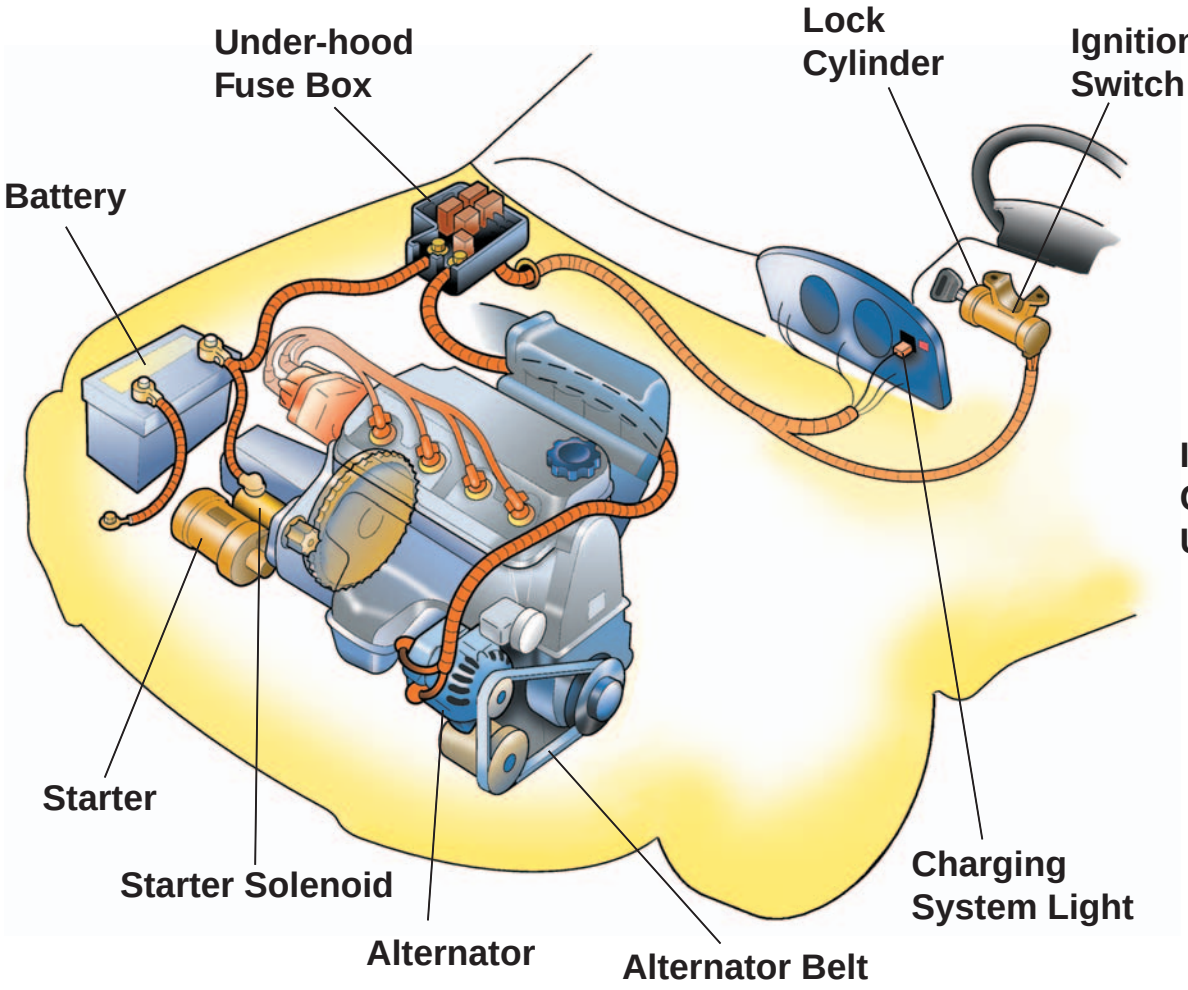
Engine Cooling and Vehicle Heating Systems

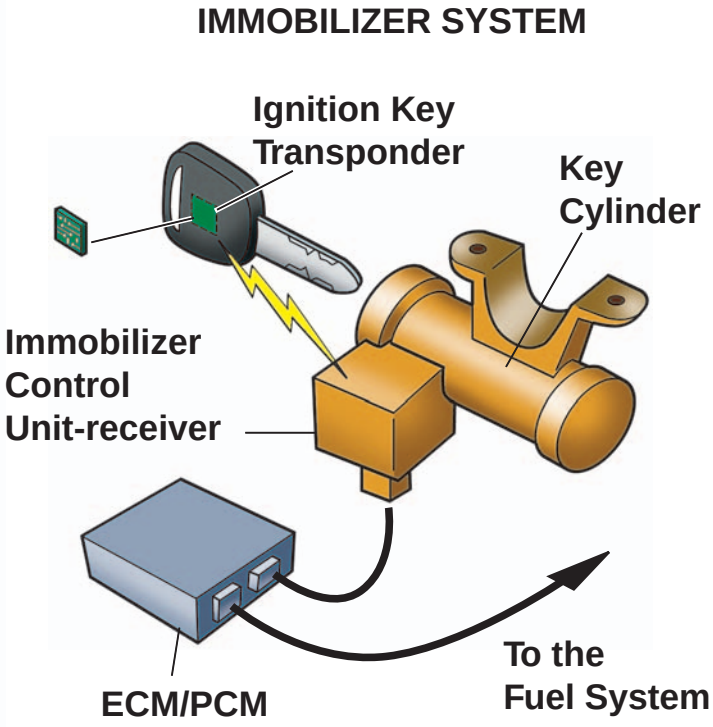


Air Conditioning System

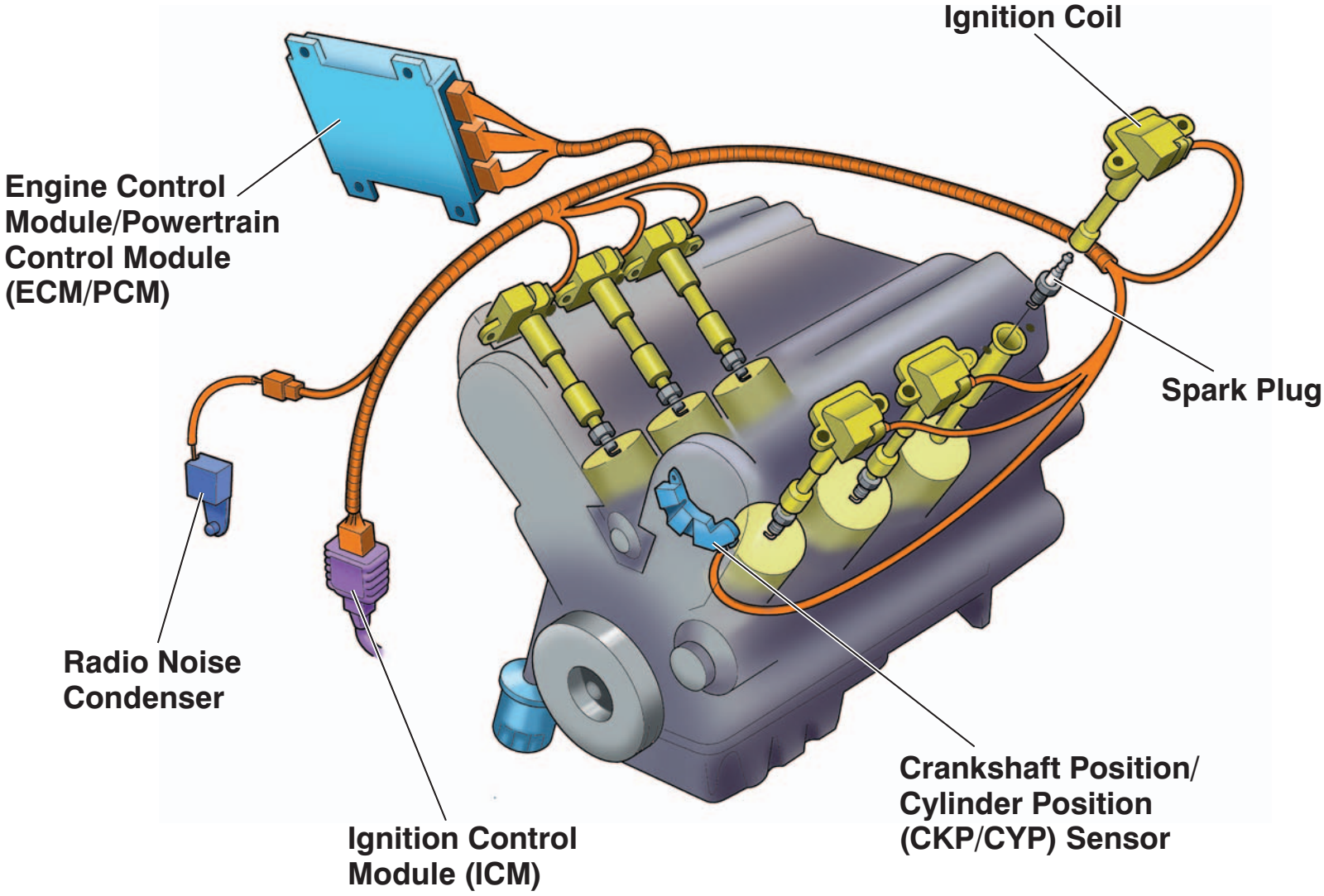


Starting and Charging System

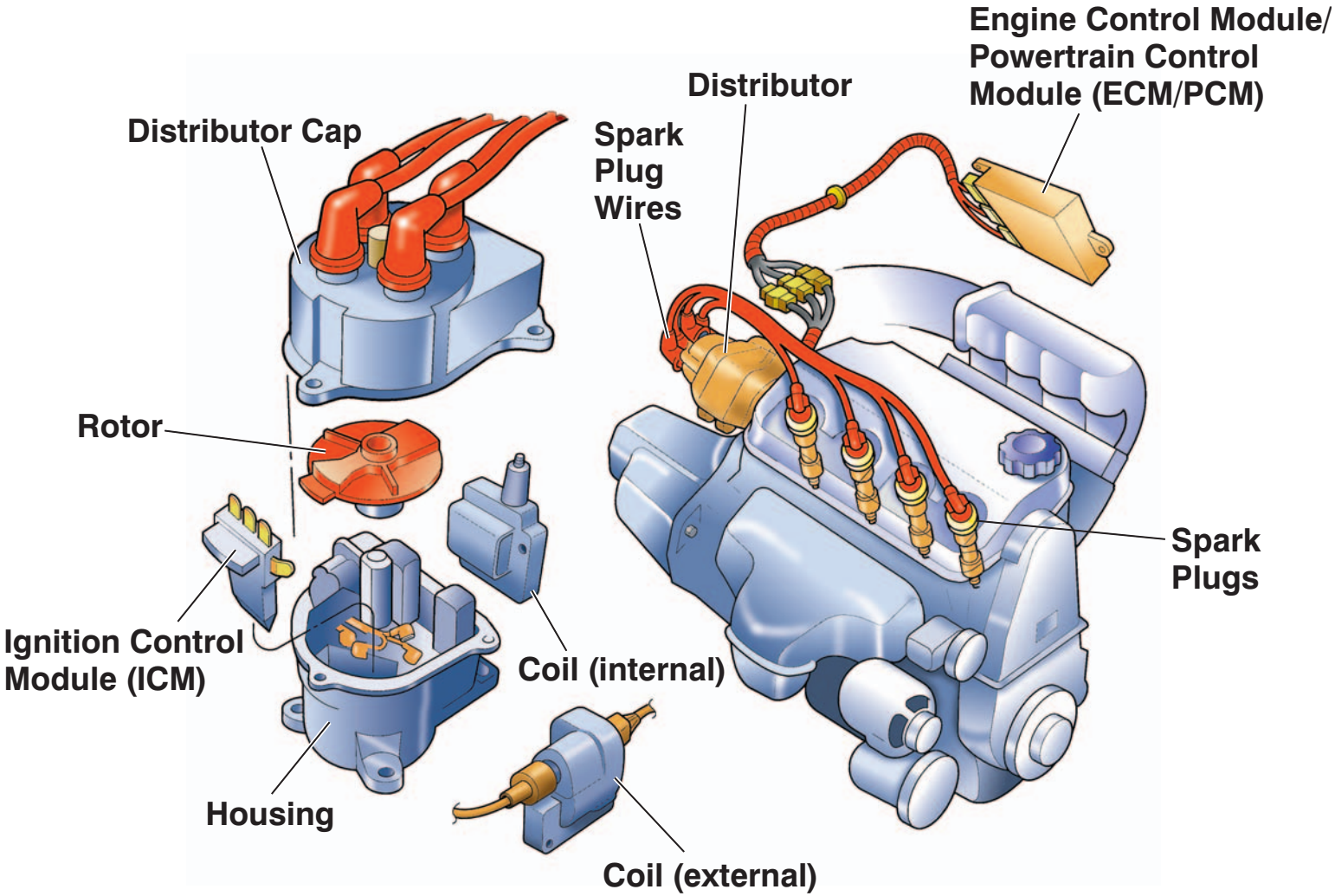




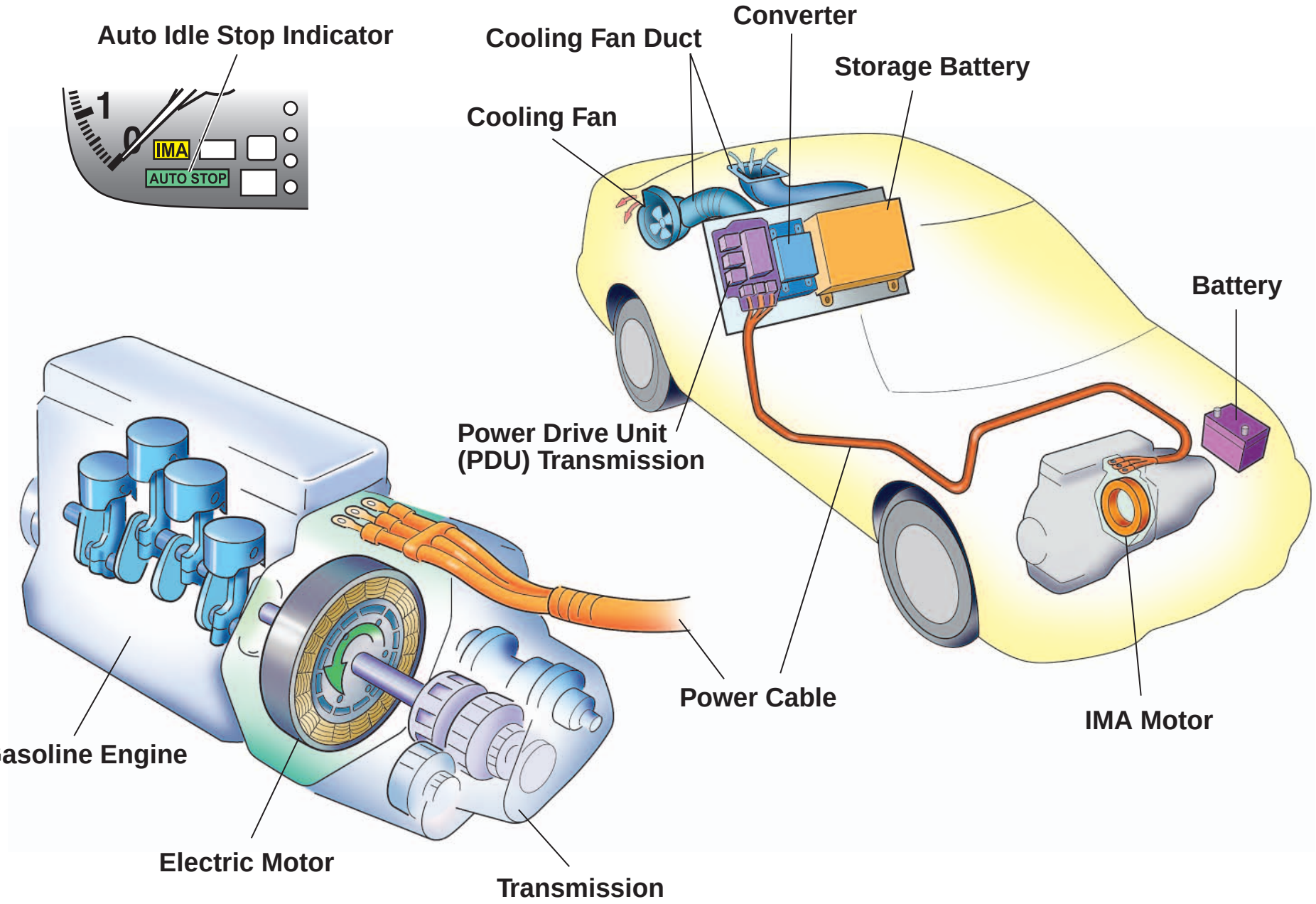
Direct Ignition System



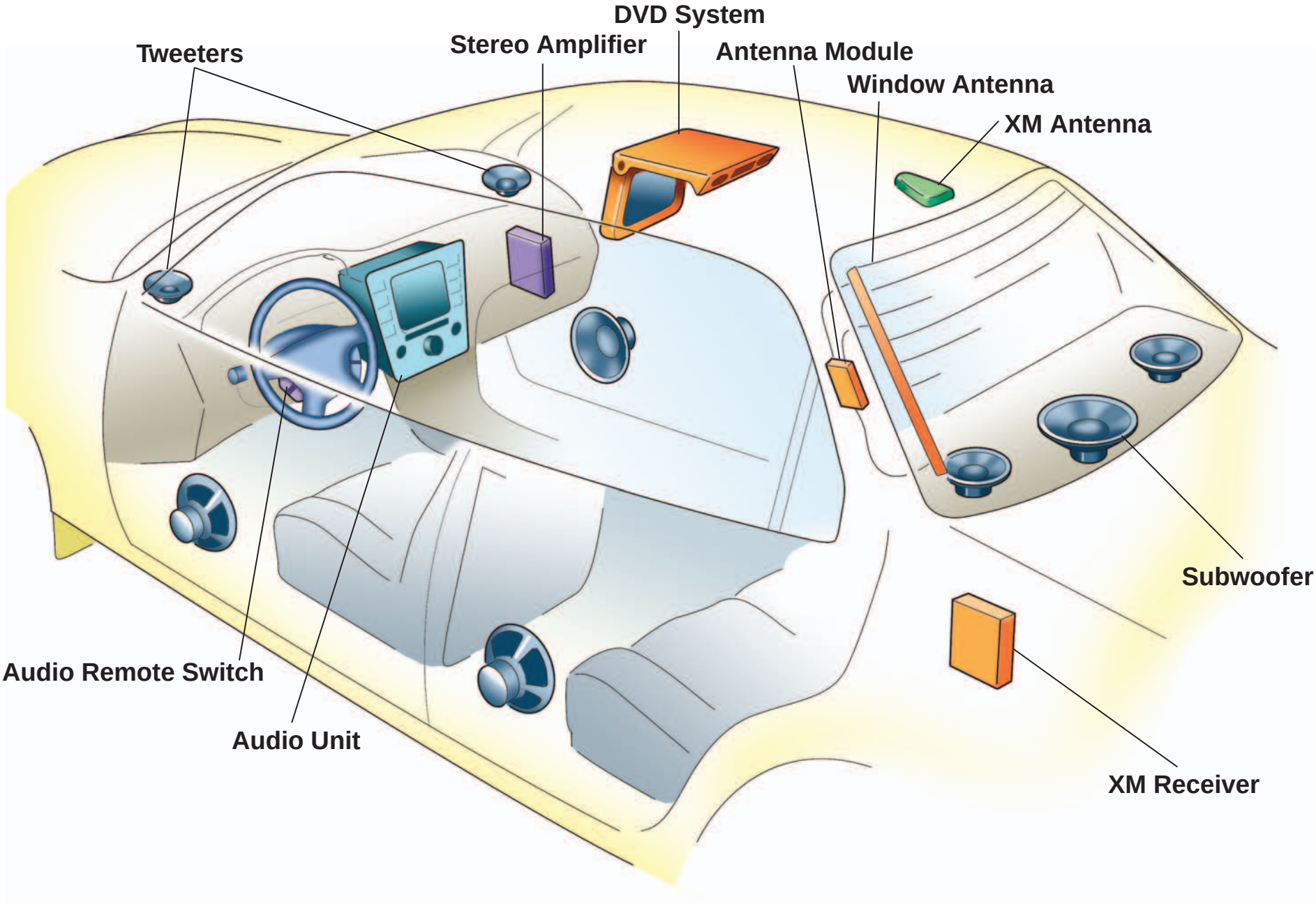
Distributor Ignition System



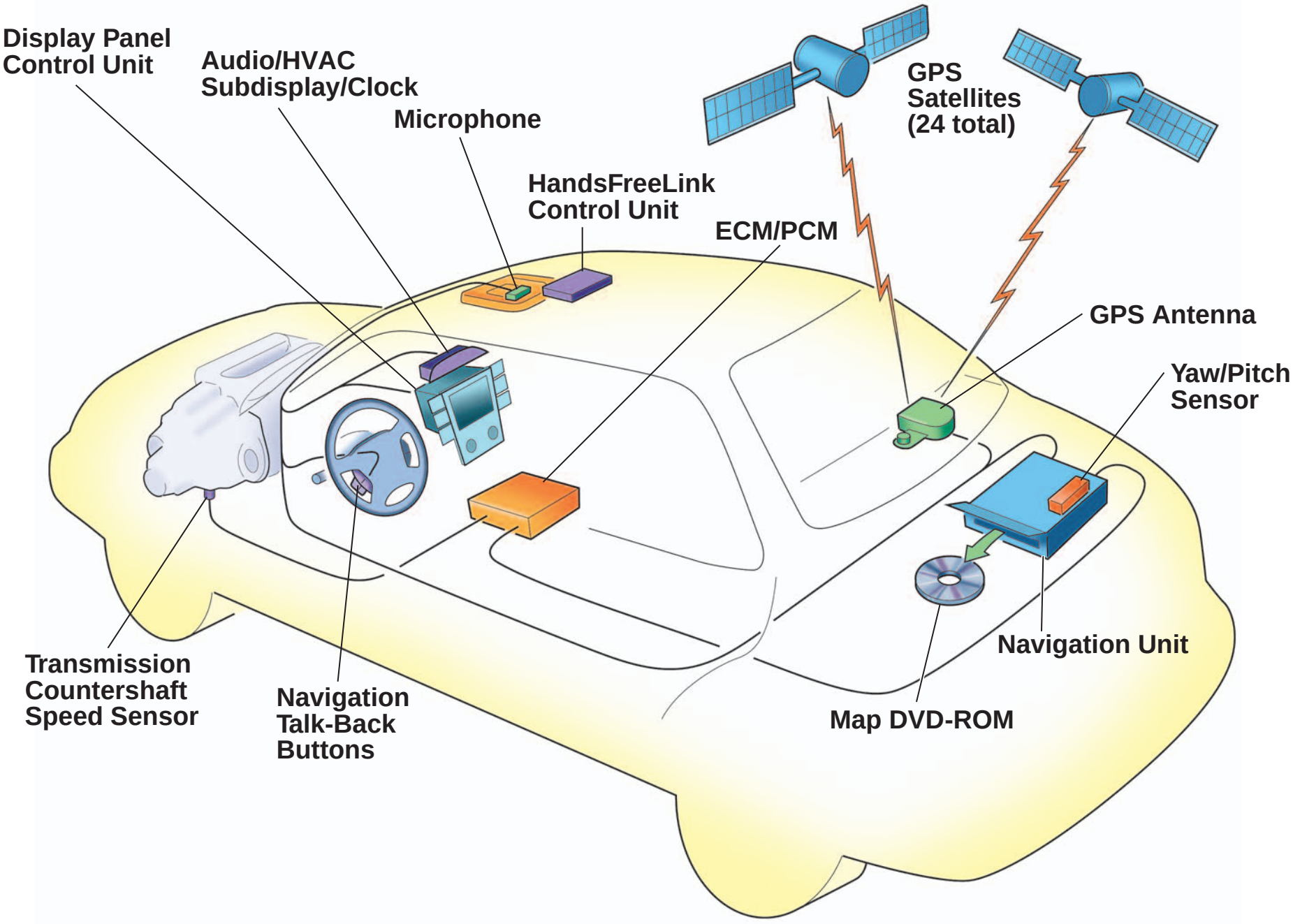
Hybrid IMA (Integrated Motor Assist) System



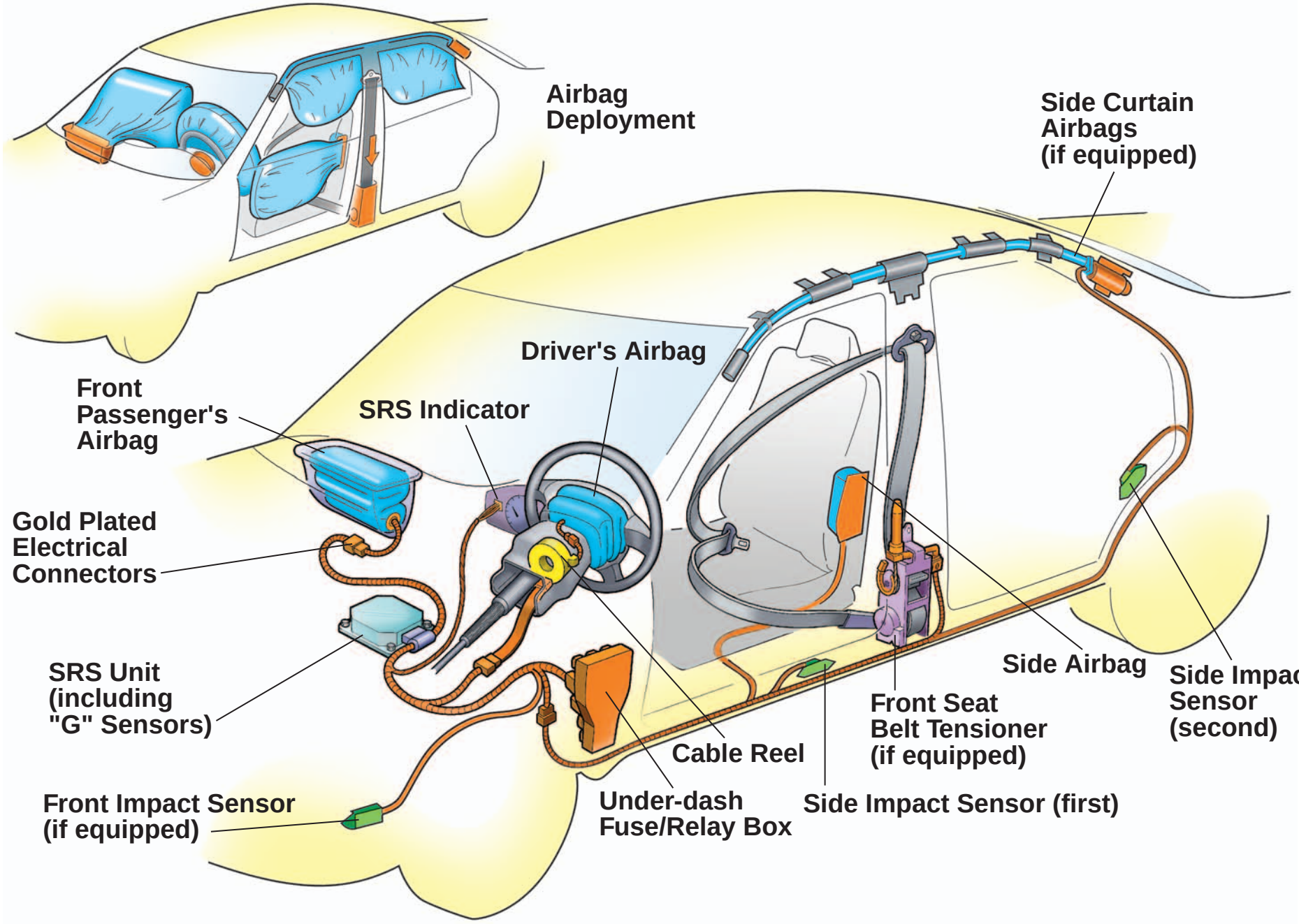
Audio and Entertainment Systems



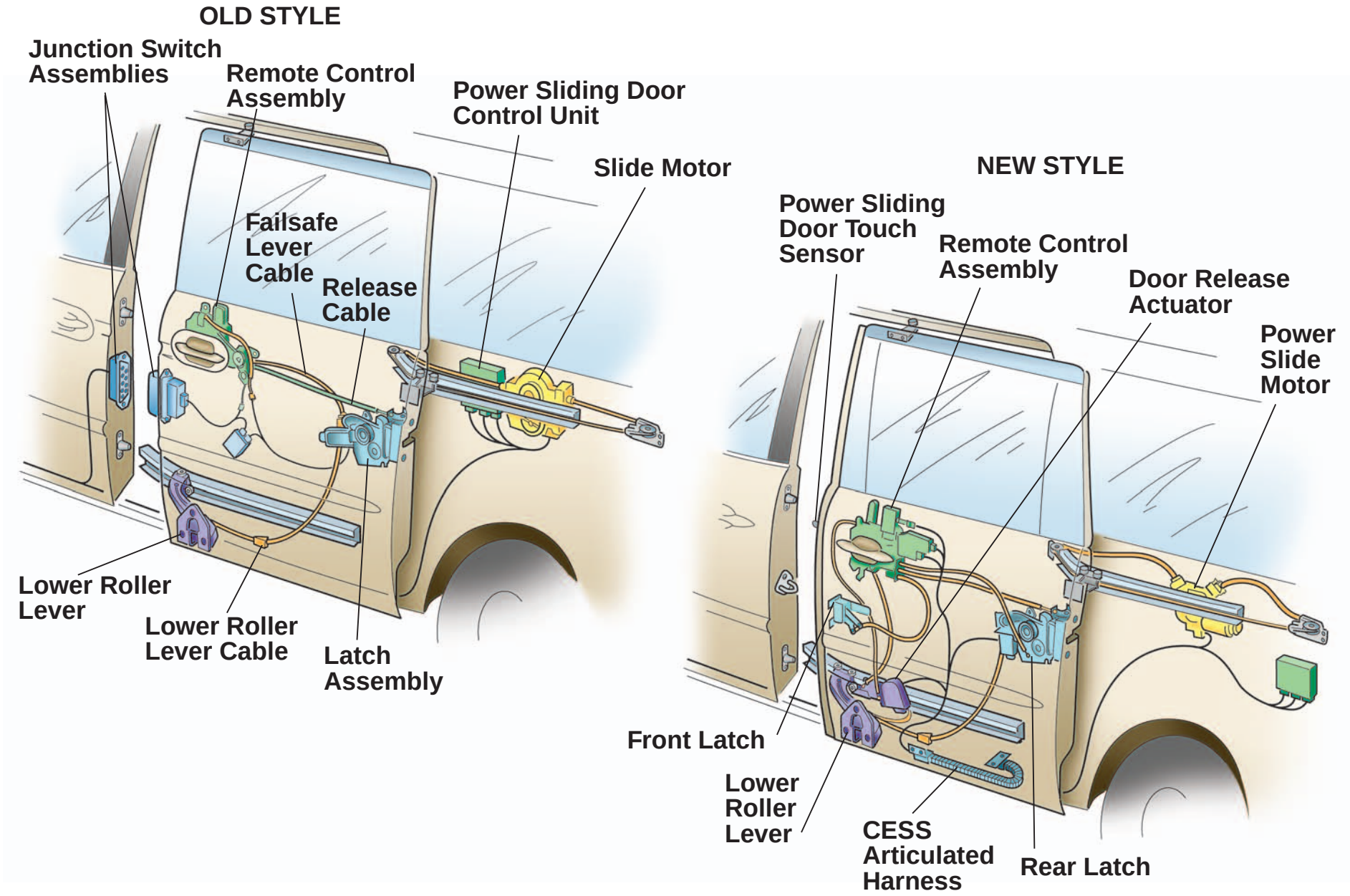
Navigation System (with HandsFreeLink, if equipped)



SRS (Supplemental Restraint System)



Odyssey Power Sliding Doors



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